

Form RLIMS63A-V1.4 03290713015593

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SAMPLE ANALYSIS DATA SHEET

Date Printed..... 29-MAR-07 13:01

Client Name..... : Weston Solutions, Inc.

Client Ref Number....: Not Provided

Sampling Site..... Behr VOC Plume PRP Si

Release Number....: 0055729

Date Received.....: 23-MAR-07 00:00

DCL Preparation Group: Not Applicable Date Prepared.....: Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume....: Not Required

Client Sample Name: Non-Responsive

DCL Sample Name...: 07E01809 DCL Report Group..: 07E-0217-01

Matrix.... AIR

Date Sampled....: 21-MAR-07 00:00

Reporting Units...: ppb v/v

Report Basis....: ☒ As Received ☐ Dried

DCL Analysis Group: G072V01L Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-0 Column Type..... DB-1

> X Primary ☐ Confirmation

Analytical Results

Analyte	Date	MDI					
Propene	Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Propene	26-MAR-07 16:41	0.180	8.6 J	ppb v/v		1	0.5
Dichlorodifluoromethane	26-MAR-07 16:41	0.31	15. J	µg/m³		1	0.86
Dichlorodifluoromethane	26-MAR-07 16:41	0.0669	0.49	ppb v/v	J	1	0.5
Chloromethane	26-MAR-07 16:41 26-MAR-07 16:41	0.33	2.4	μg/m³	J	1	2.5
Chloromethane		0.249	0.55	ppb v/v		1	0.5
Freon 114	26-MAR-07 16:41	0.51	1.1	μg/m³		1	1.0
Freon 114	26-MAR-07 16:41	0.156	ND	ppb v/v		1	0.5
Vinyl Chloride	26-MAR-07 16:41	1.1	ND	µg/m³		1	3.5
Vinyl Chloride	26-MAR-07 16:41	0.301	ND	ppb v/v		1	0.5
1,3-Butadiene	26-MAR-07 16:41	0.77	ND	µg/m³		1	1.3
1,3-Butadiene	26-MAR-07 16:41	0.346	ND	ppb v/v		1	0.5
Bromomethane	26-MAR-07 16:41	0.77	ND	µg/m³		1	1.1
Bromomethane	26-MAR-07 16:41	0.215	ND	ppb v/v		1	0.5
Chloroethane	26-MAR-07 16:41	0.83	ND	μg/m³		1	1.9
Chloroethane	26-MAR-07 16:41	0.388	ND	ppb v/v		1 .	0.5
Freon 11	26-MAR-07 16:41	1.0	ND	μg/m³		1	1.3
Freon 11	26-MAR-07 16:41	0.0921	0.22	ppb v/v	J	1	0.5
cis-1,2-Dichloroethene	26-MAR-07 16:41	0.52	1.3	μg/m³	J	1	2.8
cis-1,2-Dichloroethene	26-MAR-07 16:41	0.102	0.18	ppb v/v	J	1	0.5
Carbon Disulfide	26-MAR-07 16:41	0.40	0.71	μg/m³	J	1	2.0
Carbon Disulfide	26-MAR-07 16:41	0.111	ND	ppb v/v		1	0.5
Freon 113	26-MAR-07 16:41	0.35	ND	μg/m³		1	1.6
Freon 113	26-MAR-07 16:41	0.0950	ND	ppb v/v		1	0.5
Acetone	26-MAR-07 16:41	0.73	ND	μg/m³		1	3.8
Acetone	26-MAR-07 16:41	0.113	4.9 🔭	ppb v/v		1	0.5
Methylene Chloride	26-MAR-07 16:41	0.27	12. 5	μg/m³		1	1.2
Methylene Chloride	26-MAR-07 16:41	0.168	0.37	ppb v/v	J	1	0.5
trans-1,2-Dichloroethene	26-MAR-07 16:41	0.58	1.3	µg/m³	J	1	1.7
trans-1,2-Dichloroethene	26-MAR-07 16:41	0.118	ND	ppb v/v		1	0.5
1,1-Dichloroethane	26-MAR-07 16:41	0.47	ND	µg/m³		1	2.0
1,1-Dichloroethane	26-MAR-07 16:41	0.116	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	26-MAR-07 16:41	0.47	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	26-MAR-07 16:41	0.147	ND	ppb v/v		1	0.5
Vinyl Acetate	26-MAR-07 16:41	0.53	ND	µg/m³		1	1.8
Vinyl Acetate Vinyl Acetate	26-MAR-07 16:41	0.133	ND	ppb v/v		1	0.5
1,1-Dichloroethene	26-MAR-07 16:41	0.47	ND	µg/m³		1	1.8
1,1-Dichloroethene	26-MAR-07 16:41	0.109	ND	ppb v/v		1	0.5
2-Butanone	26-MAR-07 16:41	0.43	ND	µg/m³		ī	2.0
2-Butanone	26-MAR-07 16:41	0.182	0.23	ppb v/v	J	- i -	0.5
	26-MAR-07 16:41	0.54	0.68	µg/m³	J	1	1.5
Ethyl Acetate	26-MAR-07 16:41	0.273	3.4 J	v/v dag		1 +	0.5

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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 29-MAR-07 13:01 Client Name.....: Weston Solutions, Inc.

DCL Sample Name...: 07E01809 DCL Report Group..: 07E-0217-01

Analyte	Date Analyzed	MINT	D 1 .				
Ethyl Acetate	26-MAR-07 16:41	MDL	Result	Units	Qual.	Dilution	PQL
Hexane	26-MAR-07 16:41	0.98	12. J	P.9 / Zii	↓	1	1.8
Hexane	26-MAR-07 16:41 26-MAR-07 16:41	0.121	0.68	v/v dqq		1	0.5
Chloroform	26-MAR-07 16:41	0.43	2.4	µg/m³	ļ	1	1.8
Chloroform	26-MAR-07 16:41 26-MAR-07 16:41		ND	ppb v/v	ļ	1	0.5
1,1,1-Trichloroethane	26-MAR-07 16:41 26-MAR-07 16:41	0.56	ND	µg/m³		1	2.4
1,1,1-Trichloroethane	26-MAR-07 16:41 26-MAR-07 16:41	0.0725	ND	ppb v/v		1	0.5
Carbon Tetrachloride	26-MAR-07 16:41 26-MAR-07 16:41	0.40	ND	µg/m³		1	2.7
Carbon Tetrachloride	26-MAR-07 16:41 26-MAR-07 16:41	0.0657	ND	ppb v/v		1	0.5
Benzene	26-MAR-07 16:41 26-MAR-07 16:41	0.41	ND	µg/m³		1	3.1
Benzene	26-MAR-07 16:41 26-MAR-07 16:41	0.102	0.34	ppb v/v	J	1	0.5
Tetrahydrofuran	26-MAR-07 16:41 26-MAR-07 16:41	0.33	1.1	µg/m³	J	1	1.6
Tetrahydrofuran	26-MAR-07 16:41 26-MAR-07 16:41	0.227	NDUJ			1	0.5
1,2-Dichloroethane	26-MAR-07 16:41 26-MAR-07 16:41	0.67	ND UJ			1	1.5
1,2-Dichloroethane	26-MAR-07 16:41 26-MAR-07 16:41	0.153	ND	ppb v/v		1	0.5
Cyclohexane	26-MAR-07 16:41	0.62	ND	μg/m³		1	2.0
Cyclohexane	26-MAR-07 16:41	0.120	ND	ppb v/v		1	0.5
Trichloroethene	26-MAR-07 16:41	0.41	ND	μg/m³		1	1.7
Trichloroethene	26-MAR-07 16:41	0.120	1.3	ppb v/v		1	0.5
1,2-Dichloropropane	26-MAR-07 16:41	0.64	6.9	μg/m³		1	2.7
1,2-Dichloropropane 1,2-Dichloropropane	26-MAR-07 16:41	0.123	ND	ppb v/v		1	0.5
Bromodichloromethane	26-MAR-07 16:41	0.57	ND	μg/m³		1	2.3
Bromodichloromethane	26-MAR-07 16:41	0.0779	ND	ppb v/v		1	0.5
	26-MAR-07 16:41	0.52	ND	μg/m³		1	3.3
Heptane	26-MAR-07 16:41	0.101	0.24	ppb v/v	J	1	0.5
Heptane	26-MAR-07 16:41	0.41	1.0	ug/m³	J	1	2.0
cis-1,3-Dichloropropene	26-MAR-07 16:41	0.106	ND	v/v dqq		1	0.5
cis-1,3-Dichloropropene	26-MAR-07 16:41	0.48	ND	µq/m³		1	2.3
4-Methyl-2-Pentanone	26-MAR-07 16:41	0.116	ND OJ			1	0.5
4-Methyl-2-Pentanone Toluene	26-MAR-07 16:41	0.48	ND UJ	µg/m³		1 +	2.0
Toluene Toluene	26-MAR-07 16:41	0.115	2.2	ppb v/v		1	0.5
Toluene	26-MAR-07 16:41	0.43	8.2	µg/m³		1	1.9
trans-1,3-Dichloropropene	26-MAR-07 16:41	0.130	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	26-MAR-07 16:41	0.59	ND	µg/m³		1 +	2.3
1,1,2-Trichloroethane	26-MAR-07 16:41	0.0972	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	26-MAR-07 16:41	0.53	ND	µg/m³		1 +	2.7
Tetrachloroethene	26-MAR-07 16:41	0.0847	ND	ppb v/v		1	
Tetrachloroethene	26-MAR-07 16:41	0.57	ND	nd/m3		1	0.5 3.4
2-Hexanone	26-MAR-07 16:41	0.136	ND ()	ppb v/v		1	
2-Hexanone	26-MAR-07 16:41	0.56	NDI	ha/w ₃		1	0.5
Dibromochloromethane	26-MAR-07 16:41	0.0792	ND	ppb v/v		$\frac{1}{1}$	2.0
Dibromochloromethane	26-MAR-07 16:41	0.67	ND	µg/m³		$\frac{1}{1}$	0.5
1,2-Dibromoethane	26-MAR-07 16:41	0.119	ND	ppb v/v			4.2
1,2-Dibromoethane	26-MAR-07 16:41	0.91	ND	hd/w ₃		1	0.5
Chlorobenzene	26-MAR-07 16:41	0.0882	ND	v/v daa		1	3.8
Chlorobenzene	26-MAR-07 16:41	0.41	ND	µg/m³		1	0.5
Ethylbenzene		0.150	ND	ppb v/v		1	2.3
Ethylbenzene	26-MAR-07 16:41	0.65	ND			_1	0.5
n,p-Xylene	26-MAR-07 16:41	0.213	0.35	ug/m³	 +	1	2.2
n,p-Xylene	26-MAR-07 16:41	0.92	1.5	ppb v/v	- <u>ī</u> -	1	1.0
>-Xylene	26-MAR-07 16:41	0.113	0.14.7	µg/m³	J	1	4.3
-Xylene	26-MAR-07 16:41	0.113		ppb v/v	J	1	0.5
Styrene	26-MAR-07 16:41	0.0748	0.59	ug/m³	J	1	2.2
Styrene	26-MAR-07 16:41	0.0748	0.25	v/v dqq	J	1	0.5
Bromoform	26-MAR-07 16:41		1.1]	hd/w ₃	J	1	2.1
Bromoform	26-MAR-07 16:41	0.0884	ND	ppb v/v		1	0.5
,1,2,2-Tetrachloroethane		0.90	ND	µg/m³		1	5.1
,1,2,2-Tetrachloroethane	26-MAR-07 16:41	0.108	ND	ppb v/v		1	0.5
Senzyl Chloride		0.74	ND	nd/m3		1	3.4
	120 MAIN-0/ 10:41	0.136	ND	ppb v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 29-MAR-07 13:01

Client Name.....: Weston Solutions, Inc.

DCL Sample Name...: 07E01809
DCL Report Group..: 07E-0217-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	01121	Dilesti	201
Benzyl Chloride	26-MAR-07 16:41	0.70	ND		Qual.	Dilution	PQL
4-Ethyl toluene	26-MAR-07 16:41	0.0983		µg/m³		1 1	2.6
4-Ethyl toluene	26-MAR-07 16:41		ND	ppb v/v		1 1	0.5
1,3,5-Trimethylbenzene	26-MAR-07 16:41	0.48	ND	µg/m³		1 1	2.5
1,3,5-Trimethylbenzene		0.112	ND	ppb v/v		1	0.5
1,2,4-Trimethylbenzene		0.55	ND	μg/m³		1	2.5
1,2,4-Trimethylbenzene	26-MAR-07 16:41	0.117	0.14 5	ppb v/v	J	1	0.5
1,3-Dichlorobenzene	26-MAR-07 16:41	0.58	0.69 T	μg/m³	J	1	2.5
	26-MAR-07 16:41	0.120	ND	ppb v/v		1	0.5
1,3-Dichlorobenzene	26-MAR-07 16:41	0.72	ND	µq/m³		1 1	3.0
1,4-Dichlorobenzene	26-MAR-07 16:41	0.0987	0.15 J		J	1 1	0.5
1,4-Dichlorobenzene	26-MAR-07 16:41	0.59	0.90 T	µg/m³	J	 	3.0
1,2-Dichlorobenzene	26-MAR-07 16:41	0.0851	ND	ppb v/v		1 1	
1,2-Dichlorobenzene	26-MAR-07 16:41	0.51	ND	ha/w ₃		 	0.5
1,2,4-Trichlorobenzene	26-MAR-07 16:41	0.115	ND			1 1	3.0
1,2,4-Trichlorobenzene	26-MAR-07 16:41	0.85	ND	ppb v/v		1	0.5
Hexachlorobutadiene	26-MAR-07 16:41	0.119		µg/m³		1	3.7
Hexachlorobutadiene	26-MAR-07 16:41	1.3	ND	ppb v/v		11	0.5
	120 mm 10:41	1.3	ND	μg/m³		1	5.3

Tentatively Identified Compound Results

	Date				
Analyte (Retention Time)	Analyzed	Result	Units	Qual.	Dilution
Isobutane (4.65)	26-MAR-07 16:41	30.	ppb v/v	J	1
Butane (4.93)	26-MAR-07 16:41	23.	v/v dag	J	1 1
Ethanol (5.39)	26-MAR-07 16:41	180	ppb v/v	J	1
Isopropyl Alcohol(6.00) Pentane(6.26)	26-MAR-07 16:41	180	ppb v/v	J	1
Limonene (17.59)	26-MAR-07 16:41	3.0	ppb v/v	J	1 1
Elimonene (17.33)	26-MAR-07 16:41	4.8	ppb v/v	J	1

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SAMPLE ANALYSIS DATA SHEET

Date Printed...... 29-MAR-07 13:01

Client Name...... Weston Solutions, Inc.

Client Ref Number...: Not Provided

Sampling Site..... Behr VOC Plume PRP Si

Release Number....: 0055729

Date Received.....: 23-MAR-07 00:00

DCL Preparation Group: Not Applicable Date Prepared.....: Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume....: Not Required

Client Sample Name: Non-Responsive

DCL Sample Name...: 07E01810 DCL Report Group..: 07E-0217-01

Matrix....: AIR

Date Sampled.....: 21-MAR-07 00:00

Reporting Units...: ppb v/v

Report Basis....:

☒ As Received ☐ Dried

DCL Analysis Group: G072V01L Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-0 Column Type....: DB-1

> X Primary ☐ Confirmation

Analyte	Date				T		
Propene	Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Propene	26-MAR-07 17:18	0.180	16. J	ppb v/v		1	0.5
Dichlorodifluoromethane	26-MAR-07 17:18	0.31	27. J	µg/m³		1	0.86
Dichlorodifluoromethane	26-MAR-07 17:18 26-MAR-07 17:18	0.0669	1.4	ppb v/v		1	0.5
Chloromethane	26-MAR-07 17:18 26-MAR-07 17:18	0.33	6.7	µg/m³		1	2.5
Chloromethane	26-MAR-07 17:18 26-MAR-07 17:18	0.249	0.52	ppb v/v		1	0.5
Freon 114	26-MAR-07 17:18 26-MAR-07 17:18	0.51	1.1	μg/m³		1	1.0
Freon 114	26-MAR-07 17:18 26-MAR-07 17:18	0.156	ND	ppb v/v		1	0.5
Vinyl Chloride	26-MAR-07 17:18 26-MAR-07 17:18	1.1	ND	µg/m³		1	3.5
Vinyl Chloride	26-MAR-07 17:18 26-MAR-07 17:18	0.301	ND	ppb v/v		1	0.5
1,3-Butadiene		0.77	ND	μg/m³		1	1.3
1,3-Butadiene	26-MAR-07 17:18	0.346	ND	ppb v/v		1	0.5
Bromomethane	26-MAR-07 17:18	0.77	ND	μg/m³		1	1.1
Bromomethane	26-MAR-07 17:18	0.215	ND	ppb v/v		1	0.5
Chloroethane	26-MAR-07 17:18	0.83	ND	µg/m³		1	1.9
Chloroethane	26-MAR-07 17:18	0.388	ND	ppb v/v		1	0.5
Freon 11	26-MAR-07 17:18	1.0	ND	µg/m³		1	1.3
Freon 11	26-MAR-07 17:18	0.0921	0.24	ppb v/v	J	1	0.5
cis-1,2-Dichloroethene	26-MAR-07 17:18	0.52	1.3	μg/m³	J	1	2.8
cis-1,2-Dichloroethene	26-MAR-07 17:18	0.102	0.22	ppb v/v	J	1	0.5
Carbon Disulfide	26-MAR-07 17:18	0.40	0.86	μg/m³	J	1	2.0
Carbon Disulfide	26-MAR-07 17:18	0.111	ND	v/v dqq		1	0.5
Freon 113	26-MAR-07 17:18	0.35	ND	μg/m³		1	1.6
Freon 113	26-MAR-07 17:18	0.0950	ND	ppb v/v		1	0.5
Acetone	26-MAR-07 17:18	0.73	· ND	μg/m³		1	3.8
Acetone	26-MAR-07 17:18	0.113	12. J	ppb v/v		1	0.5
Methylene Chloride	26-MAR-07 17:18	0.27	28. J	μg/m³		1	1.2
Methylene Chloride	26-MAR-07 17:18	0.168	0.55	ppb v/v		1	0.5
trans-1,2-Dichloroethene	26-MAR-07 17:18	0.58	1.9	μg/m³		1	1.7
trans-1,2-Dichloroethene	26-MAR-07 17:18	0.118	ND	ppb v/v		1	0.5
1,1-Dichloroethane	26-MAR-07 17:18	0.47	ND	μg/m³		1	2.0
1,1-Dichloroethane	26-MAR-07 17:18	0.116	ND	v/v dqq		1	0.5
Methyl t-Butyl Ether	26-MAR-07 17:18	0.47	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	26-MAR-07 17:18	0.147	ND	ppb v/v		1	0.5
Vinyl Acetate	26-MAR-07 17:18	0.53	ND	μg/m³		1	1.8
Vinyl Acetate Vinyl Acetate	26-MAR-07 17:18	0.133	ND	ppb v/v		1	0.5
l,1-Dichloroethene	26-MAR-07 17:18	0.47	ND	µg/m³		1	1.8
L,1-Dichloroethene	26-MAR-07 17:18	0.109	ND	ppb v/v		1	0.5
2-Butanone	26-MAR-07 17:18	0.43	ND	nd/m3		1	2.0
2-Butanone	26-MAR-07 17:18	0.182	ND	ppb v/v		1	0.5
Ethyl Acetate	26-MAR-07 17:18	0.54	ND	µg/m³		1	1.5
cmyr Acetate	26-MAR-07 17:18	0.273	ND	ppb v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 29-MAR-07 13:01 Client Name.....: Weston Solutions, Inc.

DCL Sample Name...: 07E01810 DCL Report Group..: 07E-0217-01

Analyte	Date				T		
Ethyl Acetate	Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Hexane	26-MAR-07 17:18 26-MAR-07 17:18	0.98	ND	µg/m³		1	1.8
Hexane	26-MAR-07 17:18 26-MAR-07 17:18		1.2	ppb v/v	<u> </u>	1	0.5
Chloroform	26-MAR-07 17:18	0.43	4.3	µg/m³		1	1.8
Chloroform	26-MAR-07 17:18	0.115	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	26-MAR-07 17:18	0.0725	ND	μg/m³		11	2.4
1,1,1-Trichloroethane	26-MAR-07 17:18	0.40	ND	ppb v/v		111	0.5
Carbon Tetrachloride	26-MAR-07 17:18	0.40	ND	µg/m³		1	2.7
Carbon Tetrachloride	26-MAR-07 17:18	0.0637	ND ND	ppb v/v		1	0.5
Benzene	26-MAR-07 17:18	0.102	0.68	μg/m ³		1 1	3.1
Benzene	26-MAR-07 17:18	0.33	2.2	ppb v/v		1 1	0.5
Tetrahydrofuran	26-MAR-07 17:18	0.227	NDUJ			1	1.6
Tetrahydrofuran	26-MAR-07 17:18	0.67	ND DJ		<u> </u>	1 1	0.5
1,2-Dichloroethane	26-MAR-07 17:18	0.153	ND ND	ppb v/v	 	1 1	1.5
1,2-Dichloroethane	26-MAR-07 17:18	0.62	ND	ha/w ₃		1	0.5
Cyclohexane	26-MAR-07 17:18	0.120	ND	pg/m³		1 1	2.0
Cyclohexane	26-MAR-07 17:18	0.41	ND	hd/w ₃		1	0.5
Trichloroethene	26-MAR-07 17:18	0.120	2.7	pgb v/v		1	1.7
Trichloroethene	26-MAR-07 17:18	0.64	15.	hd/w ₃		1 1	0.5
1,2-Dichloropropane	26-MAR-07 17:18	0.123	ND ND	ppb v/v		1	2.7
1,2-Dichloropropane	26-MAR-07 17:18	0.57	ND	hd/w ₃			0.5
Bromodichloromethane	26-MAR-07 17:18	0.0779	ND	ppb v/v		1 1	2.3
Bromodichloromethane	26-MAR-07 17:18	0.52	ND	nd/m3		$\frac{1}{1}$	0.5
Heptane	26-MAR-07 17:18	0.101	0.43	ppb v/v	J	1.	3.3
Heptane	26-MAR-07 17:18	0.41	1.8	hd/m3	J	1	0.5
cis-1,3-Dichloropropene	26-MAR-07 17:18	0.106	ND	ppb v/v		$\frac{1}{1}$	2.0
cis-1,3-Dichloropropene	26-MAR-07 17:18	0.48	ND	hd/w ₃		1 1	0.5
4-Methyl-2-Pentanone	26-MAR-07 17:18	0.116	NDIJ			$\frac{1}{1}$	2.3
4-Methyl-2-Pentanone	26-MAR-07 17:18	0.48	ND ()			1	0.5 2.0
Toluene	26-MAR-07 17:18	0.115	1.2	ppb v/v		1	0.5
Toluene	26-MAR-07 17:18	0.43	4.6	nd/w3		1	1.9
trans-1,3-Dichloropropene	26-MAR-07 17:18	0.130	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	26-MAR-07 17:18	0.59	ND	µg/m³		1	2.3
1,1,2-Trichloroethane	26-MAR-07 17:18	0.0972	ND	ppb v/v		$\frac{1}{1}$	0.5
1,1,2-Trichloroethane	26-MAR-07 17:18	0.53	ND	µg/m³		1	2.7
Tetrachloroethene	26-MAR-07 17:18	0.0847	ND	ppb v/v		$\frac{1}{1}$	0.5
Tetrachloroethene	26-MAR-07 17:18	0.57	ND	µg/m³		i	3.4
2-Hexanone	26-MAR-07 17:18	0.136	ND UJ	ppb v/v		1	0.5
2-Hexanone	26-MAR-07 17:18	0.56	NDUJ	µg/m³		1	2.0
Dibromochloromethane	26-MAR-07 17:18	0.0792	ND	ppb v/v		1	0.5
Dibromochloromethane	26-MAR-07 17:18	0.67	ND	µg/m³		1	4.2
1,2-Dibromoethane	26-MAR-07 17:18	0.119	ND	ppb v/v		1	0.5
1,2-Dibromoethane	26-MAR-07 17:18	0.91	ND	µg/m³		1	3.8
Chlorobenzene	26-MAR-07 17:18	0.0882	ND	ppb v/v		1	0.5
Chlorobenzene	26-MAR-07 17:18	0.41	ND	µg/m³		1	2.3
Ethylbenzene	26-MAR-07 17:18	0.150	ND	ppb v/v		1	0.5
Ethylbenzene	26-MAR-07 17:18	0.65	ND	µg/m³		1	2.2
n,p-Xylene	26-MAR-07 17:18	0.213	0.35 ナ	ppb v/v	J	1.	1.0
n,p-Xylene	26-MAR-07 17:18	0.92	1.5 J	µg/m³	J	1	4.3
o-Xylene	26-MAR-07 17:18	0.113	0.13 J	ppb v/v	J	1	0.5
o-Xylene Styrene	26-MAR-07 17:18	0.49	0.58	μg/m³	J	1	2.2
	26-MAR-07 17:18	0.0748	0.265	ppb v/v	J	1	0.5
Styrene Bromoform	26-MAR-07 17:18	0.32	1.1 J	µg/m³	J	1	2.1
Bromoform	26-MAR-07 17:18	0.0884	ND	ppb v/v		1	0.5
	26-MAR-07 17:18	0.90	ND	µg/m³		1	5.1
	126 MAD 07 17 101	0.108	ND	ppb v/v			
1,2,2-Tetrachloroethane	26-MAR-07 17:18		IND	ppp v/v i		1 1	U.5
1,1,2,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane Senzyl Chloride	26-MAR-07 17:18 26-MAR-07 17:18 26-MAR-07 17:18	0.74 0.136	ND	had/w ₃		$\frac{1}{1}$	0.5 3.4



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 29-MAR-07 13:01 Client Name.....: Weston Solutions, Inc.

DCL Sample Name...: 07E01810 DCL Report Group..: 07E-0217-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	DOL
Benzyl Chloride	26-MAR-07 17:18	0.70	ND		Quai.	Dilucion	PQL
4-Ethyl toluene	26-MAR-07 17:18	0.0983	ND	µg/m³		1 1	2.6
4-Ethyl toluene	26-MAR-07 17:18	0.48		ppb v/v		1	0.5
1,3,5-Trimethylbenzene	26-MAR-07 17:18	0.112	ND	µg/m³		1	2.5
1,3,5-Trimethylbenzene	26-MAR-07 17:18		ND	ppb v/v		1	0.5
1,2,4-Trimethylbenzene	26-MAR-07 17:18	0.55	ND	μg/m³		1	2.5
1,2,4-Trimethylbenzene		0.117	0.17 J	ppb v/v	J	1	0.5
1,3-Dichlorobenzene	26-MAR-07 17:18	0.58	0.84 T	μg/m³	J	1	2.5
1,3-Dichlorobenzene	26-MAR-07 17:18	0.120	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	26-MAR-07 17:18	0.72	ND	μg/m³		1	3.0
1,4-Dichlorobenzene	26-MAR-07 17:18	0.0987	ND	ppb v/v		1	0.5
	26-MAR-07 17:18	0.59	ND	μq/m³		1	3.0
1,2-Dichlorobenzene	26-MAR-07 17:18	0.0851	ND	ppb v/v		1 1	0.5
1,2-Dichlorobenzene	26-MAR-07 17:18	0.51	ND	ug/m³		1	
1,2,4-Trichlorobenzene	26-MAR-07 17:18	0.115	ND	ppb v/v		1	3.0
1,2,4-Trichlorobenzene	26-MAR-07 17:18	0.85	ND	hd/w ₃		1	0.5
Hexachlorobutadiene	26-MAR-07 17:18	0.119	ND				3.7
Hexachlorobutadiene	26-MAR-07 17:18	1.3	ND	ppb v/v			0.5
	3, 17, 10	4.5	MD	μg/m³		1	5.3

Tentatively Identified Compound Results

Analyte (Retention Time)	Date Analyzed	Result	Units	Oual.	Dilution
Isobutane(4.64) Butane(4.92)	26-MAR-07 17:18		ppb v/v	J	1
Ethanol (5.39)	26-MAR-07 17:18		ppb v/v	J	1
Isopropyl Alcohol(5.99)	26-MAR-07 17:18 26-MAR-07 17:18		ppb v/v	J	1
Pentane (6.26)	26-MAR-07 17:18 26-MAR-07 17:18		ppb v/v		1

BEHR VOC PLUME SITE DAYTON, OHIO DATA VALIDATION REPORT

Date: April 17, 2007

Laboratory: DataChem Laboratories, Inc. (DataChem), Salt Lake City, Utah

Laboratory SDG #/Set ID #: BEHR/07E-0228-01

Data Validation Performed By: Lisa Graczyk, Dynamac Corporation (Dynamac),

subcontractor to Weston Solutions, Inc. (Weston)

Weston Analytical Work Order #/TDD #: 20405.016.003.0121.00/S05-0612-007

This data validation report has been prepared by Dynamac, a Weston subcontractor, under the START III Region V contract. This report documents the data validation of air samples collected for the Behr VOC Plume Site that were analyzed for Volatile Organic Compounds (VOC) by U.S. Environmental Protection Agency (U.S. EPA) method TO-15. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Organic Data Review" dated October 1999.

VOCs in Air by U.S. EPA Method TO15

1. Samples

The following table summarizes the sample for which this data validation is being conducted.

<u>Samples</u>	<u>Lab ID</u>	<u>Matrix</u>	<u>Date</u> <u>Collected</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>
Non-Responsive	07E01851	Air	03/28/07	NA	03/30/07

2. <u>Holding Times</u>

The sample was analyzed within the required holding time limit of 30 days from sample collection in accordance with method TO-15.

3. Instrument Performance Check

The instrument performance check using bromofluorobenzene (BFB) was performed within the 24-hour period for which the samples were analyzed as required for method TO-15. The BFB standard met the ion abundance criteria specified in method TO-15.

Laboratory WO #: BEHR/07E-0228-01

4. <u>Initial Calibration</u>

For the initial calibration, the percent relative standard deviations (%RSD) for all compounds were less than 30 percent. The average relative response factors were all greater than 0.05.

5. <u>Continuing Calibration</u>

The percent differences (%D) in the continuing calibration standard for all target compounds were within the control limit of less than or equal to 25 percent.

6. Blanks

The method blank associated with the sample was free of target compound contamination.

7. <u>Surrogates</u>

The 4-bromofluorobenzene surrogate spike recovery in the sample was within the quality control (QC) limits.

8. <u>Laboratory Control Sample (LCS)</u>

All LCS recoveries and LCS duplicate recoveries were within the laboratory-established QC limits of 70 to 130 percent recovery.

The relative percent differences between the LCS and LCS duplicate were outside the QC limits for acetone, 2-butanone, 4-methyl-2-pentanone, and 2-hexanone. Detected results for these compounds were flagged "J" as estimated.

Data Validation Report Behr VOC Plume Site DataChem Laboratories

Laboratory WO #: BEHR/07E-0228-01

9. <u>Internal Standard Results</u>

The internal standard area counts in the samples were within -50 percent to +100 percent of the area counts of the associated continuing calibration standard. The retention time of the internal standards did not vary more than ± 30 seconds from the retention time of the associated continuing calibration standard.

10. Target Compound Identification

A spot-check was performed of the mass spectra for detected compounds. The spot-check confirmed compound identification. DataChem appropriately flagged those results detected above the method detection limit but below the quantitation limit as "J" or estimated.

Data Validation Report Behr VOC Plume Site DataChem Laboratories Laboratory WO #: BEHR/07E-0228-01

ATTACHMENT

DATACHEM LABORATORIES RESULTS SUMMARY



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SAMPLE ANALYSIS DATA SHEET

Date Printed...... 09-APR-07 08:42

Client Name..... Weston Solutions, Inc.

Client Ref Number...: 055729

Sampling Site.....: Behr VOC Plume PRP Si

Release Number....: 055729

Date Received.....: 30-MAR-07 00:00

DCL Preparation Group: Not Applicable Date Prepared.....: Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume...: Not Required

Client Sample Name: Non-Responsive

DCL Sample Name...: 07E01851 DCL Report Group..: 07E-0228-01

Matrix..... AIR

Date Sampled....: 28-MAR-07 00:00

Reporting Units...: ppb v/v

Report Basis.....: ☒ As Received ☐ Dried

DCL Analysis Group: G0735007 Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-0 Column Type.....: DB-1

X Primary ☐ Confirmation

Analyte	Date Analyzed	MDL	Result	Units	Oual.	Dilution	207
Propene	30-MAR-07 16:44		5.6	ppb v/v	Qual.		PQL
Propene	30-MAR-07 16:44	0.31	9.7	hd/w ₃	 	1	0.5
Dichlorodifluoromethane	30-MAR-07 16:44	0.0669	0.47	ppb v/v	 	1 1	0.86
Dichlorodifluoromethane	30-MAR-07 16:44	0.33	2.3	ha/w ₃	J	1	0.5
Chloromethane	30-MAR-07 16:44	0.249	0.93	bbp A\A	J	1	2.5
Chloromethane	30-MAR-07 16:44	0.51	1.9			1 1	0.5
Freon 114	30-MAR-07 16:44	0.156	ND ND	µg/m³	<u> </u>	1	1.0
Freon 114	30-MAR-07 16:44	1.1	ND	ppb v/v		1	0.5
Vinyl Chloride	30-MAR-07 16:44	0.301	ND	µg/m³		1	3.5
Vinyl Chloride	30-MAR-07 16:44	0.301	ND ND	ppb v/v		1	0.5
1,3-Butadiene	30-MAR-07 16:44	0.346		hd/w3		1	1.3
1,3-Butadiene	30-MAR-07 16:44	0.346	ND	ppb v/v		1	0.5
Bromomethane	30-MAR-07 16:44	0.215	ND	ug/m³		1	1.1
Bromomethane	30-MAR-07 16:44	0.213	ND	ppb v/v		1	0.5
Chloroethane	30-MAR-07 16:44	0.83	ND	µg/m³		1	1.9
Chloroethane	30-MAR-07 16:44	1.0	ND	ppb v/v		1	0.5
Freon 11	30-MAR-07 16:44		ND	µg/m³		1	1.3
Freon 11	30-MAR-07 16:44	0.0921	0.21	ppb v/v	J	1	0.5
cis-1,2-Dichloroethene	30-MAR-07 16:44	0.52	1.2	µg/m³	J	1	2.8
cis-1,2-Dichloroethene	30-MAR-07 16:44	0.102	0.54	ppb v/v		1	0.5
Carbon Disulfide	30-MAR-07 16:44 30-MAR-07 16:44	0.40	2.1	µg/m³		1	2.0
Carbon Disulfide	30-MAR-07 16:44	0.111	ND	ppb v/v		1	0.5
Freon 113	30-MAR-07 16:44	0.35	ND	µg/m³		1	1.6
Freon 113	30-MAR-07 16:44	0.0950	ND	ppb v/v		1	0.5
Acetone	30-MAR-07 16:44	0.73	ND	μg/m³		1	3.8
Acetone	30-MAR-07 16:44 30-MAR-07 16:44	0.113	19. J	ppb v/v		1	0.5
Methylene Chloride	30-MAR-07 16:44 30-MAR-07 16:44	0.27	45. J	µg/m³		1	1.2
Methylene Chloride	30-MAR-07 16:44	0.168	ND	v\v dqq		1	0.5
trans-1,2-Dichloroethene	30-MAR-07 16:44	0.58	ND	μg/m³		1	1.7
trans-1,2-Dichloroethene	30-MAR-07 16:44	0.118	ND	ppb v/v		1	0.5
1,1-Dichloroethane	30-MAR-07 16:44	0.47	ND	μg/m³		1	2.0
l,1-Dichloroethane		0.116	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	30-MAR-07 16:44	0.47	ND	μg/m³		1	2.0
Methyl t-Butyl Ether	30-MAR-07 16:44	0.147	ND	ppb v/v		1	0.5
/inyl Acetate	30-MAR-07 16:44	0.53	ND	μg/m³		1	1.8
/inyl Acetate	30-MAR-07 16:44	0.133	ND	ppb v/v		1	0.5
1,1-Dichloroethene	30-MAR-07 16:44	0.47	ND	µg/m³		1	1.8
.,1-Dichloroethene	30-MAR-07 16:44	0.109	ND	ppb v/v		1	0.5
2-Butanone	30-MAR-07 16:44	0.43	ND	ug/m³		1	2.0
-Butanone	30-MAR-07 16:44	0.182	3.5 J	ppb v/v		1	0.5
Cthyl Acetate	30-MAR-07 16:44	0.54	10. J	µg/m³		1	1.5
only 1 Modelate	30-MAR-07 16:44	0.273	0.75	ppb v/v		1	0.5



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s072Y02K

SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 09-APR-07 08:42
Client Name....: Weston Solutions, Inc.

DCL Sample Name...: 07E01851
DCL Report Group..: 07E-0228-01

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Ethyl Acetate	30-MAR-07 16:44	0.98	2.7	ug/m³		1	1.8
Hexane	30-MAR-07 16:44	0.121	0.62	ppb v/v	<u> </u>	1	
Hexane	30-MAR-07 16:44	0.43	2.2	µg/m³		1	0.5
Chloroform	30-MAR-07 16:44	0.115	ND	ppb v/v		1	1.8
Chloroform	30-MAR-07 16:44	0.56	ND	nd/w3			0.5
1,1,1-Trichloroethane	30-MAR-07 16:44	0.0725	ND	ppb v/v		1	2.4
1,1,1-Trichloroethane	30-MAR-07 16:44	0.40	ND	hd/w ₃	ļ	1	0.5
Carbon Tetrachloride	30-MAR-07 16:44	0.0657	ND	ppb v/v		1	2.7
Carbon Tetrachloride	30-MAR-07 16:44	0.41	ND			1	0.5
Benzene	30-MAR-07 16:44	0.102	0.44	µg/m³		1	3.1
Benzene	30-MAR-07 16:44	0.33	1.4	ppb v/v	J	1	0.5
Tetrahydrofuran	30-MAR-07 16:44	0.227		μg/m³	J	1	1.6
Tetrahydrofuran	30-MAR-07 16:44		ND	ppb v/v		1	0.5
1,2-Dichloroethane	30-MAR-07 16:44	0.67	ND	µg/m³		1	1.5
1,2-Dichloroethane	30-MAR-07 16:44	0.153	ND	ppb v/v		1	0.5
Cyclohexane	30-MAR-07 16:44	0.62	ND	µg/m³		1	2.0
Cyclohexane	30-MAR-07 16:44	0.120	ND	ppb v/v		1	0.5
Trichloroethene	30-MAR-07 16:44	0.41	ND	μg/m³		1	1.7
Trichloroethene	30-MAR-07 16:44	0.120	3.5	ppb v/v		1	0.5
1,2-Dichloropropane	30-MAR-07 16:44	0.64	19.	μg/m³		1	2.7
1,2-Dichloropropane 1,2-Dichloropropane	30-MAR-07 16:44	0.123	ND	ppb v/v		1	0.5
Bromodichloromethane	30-MAR-07 16:44	0.57	ND	µg/m³		1	2.3
Bromodichioromethane	30-MAR-07 16:44	0.0779	ND	ppb v/v		1	0.5
Bromodichloromethane	30-MAR-07 16:44	0.52	ND	µg/m³		1	3.3
Heptane	30-MAR-07 16:44	0.101	0.45	ppb v/v	J	1	0.5
Heptane	30-MAR-07 16:44	0.41	1.8	µg/m³	J	1	2.0
cis-1,3-Dichloropropene	30-MAR-07 16:44	0.106	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	30-MAR-07 16:44	0.48	ND	µg/m³		1	2.3
4-Methyl-2-Pentanone	30-MAR-07 16:44	0.116	ND	ppb v/v		1 1	0.5
4-Methyl-2-Pentanone	30-MAR-07 16:44	0.48	ND	µg/m³		1	2.0
<u> </u>	30-MAR-07 16:44	0.115	1.8	ppb v/v		1	
Toluene	30-MAR-07 16:44	0.43	6.8	ug/m³		1	0.5
trans-1,3-Dichloropropene	30-MAR-07 16:44	0.130	ND	ppb v/v		1	1.9
trans-1,3-Dichloropropene	30-MAR-07 16:44	0.59	ND	hd/w ₃		1	0.5
1,1,2-Trichloroethane	30-MAR-07 16:44	0.0972	ND	ppb v/v			2.3
l,1,2-Trichloroethane	30-MAR-07 16:44	0.53	ND	nd/w3		$\frac{1}{1}$	0.5
Tetrachloroethene	30-MAR-07 16:44	0.0847	ND	ppb v/v		1 1	2.7
Tetrachloroethene	30-MAR-07 16:44	0.57	ND	nd/m3		1	0.5
2-Hexanone	30-MAR-07 16:44	0.136	ND			1 1	3.4
2-Hexanone	30-MAR-07 16:44	0.56	ND	ppb v/v		1	0.5
Dibromochloromethane	30-MAR-07 16:44	0.0792	ND	µg/m³		1	2.0
Dibromochloromethane	30-MAR-07 16:44	0.67		v/v dqq		1	0.5
,2-Dibromoethane	30-MAR-07 16:44	0.119	ND	ug/m³		1	4.2
.,2-Dibromoethane	30-MAR-07 16:44		ND	v/v dag		1	0.5
Chlorobenzene	30-MAR-07 16:44	0.91	ND	ug/m³		1	3.8
Chlorobenzene	30-MAR-07 16:44	0.0882	ND	v/v dqq		1	0.5
Ethylbenzene		0.41	ND	µg/m³		1	2.3
Sthylbenzene	30-MAR-07 16:44	0.150	ND	ppb v/v		1	0.5
p-Xylene	30-MAR-07 16:44	0.65	ND	μg/m³		1	2.2
p-Xylene	30-MAR-07 16:44	0.213	0.29	ppb v/v	J	1	1.0
-Xylene	30-MAR-07 16:44	0.92	1.3	μg/m³	J	1	4.3
-Xylene	30-MAR-07 16:44	0.113	ND	ppb v/v		1	0.5
	30-MAR-07 16:44	0.49	ND	μg/m³		1	2.2
tyrene	30-MAR-07 16:44	0.0748	0.17	ppb v/v	J	1	0.5
tyrene	30-MAR-07 16:44	0.32	0.73	µg/m³	J	1	2.1
romoform	30-MAR-07 16:44	0.0884	ND	ppb v/v		1	0.5
romoform	30-MAR-07 16:44	0.90	ND	µg/m³		1	
,1,2,2-Tetrachloroethane	30-MAR-07 16:44	0.108	ND	ppb v/v		1	5.1
,1,2,2-Tetrachloroethane	30-MAR-07 16:44	0.74	ND	hd/w ₃			0.5
enzyl Chloride	30-MAR-07 16:44	0.136	ND	ppb v/v		$\begin{array}{c c} 1 \\ \hline 1 \end{array}$	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 09-APR-07 08:42 Client Name....: Weston Solutions, Inc.

DCL Sample Name...: 07E01851 DCL Report Group..: 07E-0228-01

Analytical Results

Qual. Dilution	Por
Qual: Dilucion	
$\frac{1}{v}$	2.6
V 1	0.5
v 1	2.5
<u> </u>	0.5
v 1	2.5
V 1 1	0.5
7 1	2.5
' 	0.5
7 1 1	3.0
' 	0.5
7 1	3.0
	0.5
$\frac{1}{1}$	3.0
<u></u>	0.5
	3.7
	0.5 5.3
7	1 1 1 1

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	01	
Isobutane(4.62)				Qual.	Dilution
Butane (4.89)	30-MAR-07 16:44	12.	ppb v/v	J	1
	30-MAR-07 16:44	4.2	ppb v/v	J	1
Ethanol (5.39)	30-MAR-07 16:44	24.	ppb v/v	.T	1
Isopropyl Alcohol(5.98)	30-MAR-07 16:44	45.	ppb v/v		 _
Pentane (6.22)	30-MAR-07 16:44			J	1
1,3-Butadiene, 2-methyl-(6.31)		2.8	ppb v/v	J	1
Pentane, 2-methyl-(7.65)	30-MAR-07 16:44	2.6	ppb v/v	J	1
	30-MAR-07 16:44	2.4	ppb v/v	J	1
Butanal (7.75)	30-MAR-07 16:44	2.8	v\v dag	-	1 1

BEHR VOC PLUME SITE DAYTON, OHIO DATA VALIDATION REPORT

Date: April 10, 2007

Laboratory: DataChem Laboratories, Inc. (DataChem), Salt Lake City, Utah

Laboratory SDG #/Set ID #: BEHR/07E-0189-01

Data Validation Performed By: Lisa Graczyk, Dynamac Corporation (Dynamac),

subcontractor to Weston Solutions, Inc. (Weston)

Weston Analytical Work Order #/TDD #: 20405.016.003.0121.00/S05-0612-007

This data validation report has been prepared by Dynamac, a Weston subcontractor, under the START III Region V contract. This report documents the data validation of air samples collected for the Behr VOC Plume Site that were analyzed for Volatile Organic Compounds (VOC) by U.S. Environmental Protection Agency (U.S. EPA) method TO-15. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Organic Data Review" dated October 1999.

VOCs in Air by U.S. EPA Method TO15

1. Samples

The following table summarizes the sample for which this data validation is being conducted.

<u>Samples</u>	<u>Lab ID</u>	<u>Matrix</u>	<u>Date</u> <u>Collected</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>
EPA-09-SS	07E01705	Air	03/12/07	NA	03/22/07

2. <u>Holding Times</u>

The sample was analyzed within the required holding time limit of 30 days from sample collection in accordance with method TO-15.

3. Instrument Performance Check

The instrument performance check using bromofluorobenzene (BFB) was performed within the 24-hour period for which the samples were analyzed as required for method TO-15. The BFB standard met the ion abundance criteria specified in method TO-15.

Laboratory WO #: BEHR/07E-0189-01

4. <u>Initial Calibration</u>

The initial calibration had acceptable results. The percent relative standard deviations (%RSD) for all compounds were less than 30 percent except for acetone. The detected result for acetone was flagged "J" as estimated for this discrepancy. The average relative response factors were all greater than 0.05.

5. <u>Continuing Calibration</u>

The percent differences (%D) in the continuing calibration standard for all target compounds were within the control limit of less than or equal to 25 percent except for acetone, 4-methyl-2-pentanone, and 2-hexanone. For these three compounds, detected results were flagged "J" and the quantitation limits for non-detected results were flagged "UJ" as estimated.

6. Blanks

The method blank associated with the sample was free of target compound contamination.

7. Surrogates

All 4-bromofluorobenzene surrogate spike recovery for the sample was within the quality control (QC) limits.

8. <u>Laboratory Control Sample (LCS)</u>

All LCS recoveries and LCS duplicate recoveries were within the laboratory-established QC limits of 70 to 130 percent recovery except for propene; 1,2,4-trichlorobenzene; and hexachlorobutadiene which were detected low in the LCS standards. For these three compounds, detected results were flagged "J" and the quantitation limits for non-detected results were flagged "UJ" as estimated.

9. <u>Internal Standard Results</u>

The internal standard area counts were within -50 percent to +100 percent of the area counts in the associated continuing calibration standard. The retention time of the internal standards did not vary more than ± 30 seconds from the retention time of the associated continuing calibration standard.

Data Validation Report Behr VOC Plume Site DataChem Laboratories

Laboratory WO #: BEHR/07E-0189-01

10. Target Compound Identification

A spot-check was performed of the mass spectra for detected compounds. The spot-check confirmed compound identification. DataChem appropriately flagged those results detected above the method detection limit but below the quantitation limit as "J" or estimated.

Data Validation Report Behr VOC Plume Site DataChem Laboratories Laboratory WO #: BEHR/07E-0189-01

ATTACHMENT

DATACHEM LABORATORIES RESULTS SUMMARY



SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4 03280714365973

Page 12



Date Printed.....: 28-MAR-07 14:36

Client Name..... : Weston Solutions, Inc.

Client Ref Number....: Not Provided

Sampling Site..... Behr VOC Plume PRP

Release Number.....: 055729

Date Received.....: 14-MAR-07 00:00

DCL Preparation Group: Not Applicable Date Prepared.....: Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL Net Weight/Volume....: Not Required

Client Sample Name: EPA-09-SS DCL Sample Name...: 07E01705 DCL Report Group..: 07E-0189-01

Matrix..... AIR

Date Sampled....: 12-MAR-07 00:00

Reporting Units...: ppb v/v

Report Basis.....: ☒ As Received ☐ Dried

DCL Analysis Group: G072V01K Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-W $\texttt{Column Type....:} \ \texttt{DB-1}$

X Primary ☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	TTmib	0 1		
Propene	22-MAR-07 17:22	0.180		Units	Qual.	Dilution	
Propene	22-MAR-07 17:22	0.180	40.	1 1 1 1 1 1	E	1	0.5
Dichlorodifluoromethane	22-MAR-07 17:22	0.0669	0.57	M9/111	E	1	0.86
Dichlorodifluoromethane	22-MAR-07 17:22	0.33	2.8	ppb v/v		1	0.5
Chloromethane	22-MAR-07 17:22	0.249	ND ND	µg/m³		1	2.5
Chloromethane	22-MAR-07 17:22	0.51	ND	ppb v/v		1	0.5
Freon 114	22-MAR-07 17:22	0.156		µg/m³		1	1.0
Freon 114	22-MAR-07 17:22	1.1	ND	ppb v/v		1	0.5
Vinyl Chloride	22-MAR-07 17:22	0.301	ND ND	ug/m³		1	3.5
Vinyl Chloride	22-MAR-07 17:22	0.301	ND	ppb v/v		1	0.5
1,3-Butadiene	22-MAR-07 17:22	0.346		μg/m³		1	1.3
1,3-Butadiene	22-MAR-07 17:22	0.77	ND	ppb v/v		1	0.5
Bromomethane	22-MAR-07 17:22	0.215	ND ND	μg/m³		1	1.1
Bromomethane	22-MAR-07 17:22	0.213		ppb v/v		1	0.5
Chloroethane	22-MAR-07 17:22	0.388	ND ND	µg/m³		1	1.9
Chloroethane	22-MAR-07 17:22	1.0	ND ND	ppb v/v		1	0.5
Freon 11	22-MAR-07 17:22	0.0921		µg/m³		1	1.3
Freon 11	22-MAR-07 17:22	0.0921	0.36 2.0	ppb v/v	J	1	0.5
cis-1,2-Dichloroethene	22-MAR-07 17:22	0.102		µg/m³	J	1	2.8
cis-1,2-Dichloroethene	22-MAR-07 17:22	0.102	ND	v/v dqq		1.	0.5
Carbon Disulfide	22-MAR-07 17:22	0.111	ND	µg/m³		1	2.0
Carbon Disulfide	22-MAR-07 17:22	0.35	ND	ppb v/v		1	0.5
Freon 113	22-MAR-07 17:22	0.0950	ND ND	µg/m³		1	1.6
Freon 113	22-MAR-07 17:22	0.73	ND	v/v dqq		1	0.5
Acetone	22-MAR-07 17:22	0.113		µg/m³		1	3.8
Acetone	22-MAR-07 17:22	0.113	0.62 J	v/v dqq		1	0.5
Methylene Chloride	22-MAR-07 17:22	0.168		hd/w3		1	1.2
Methylene Chloride	22-MAR-07 17:22	0.168	0.82	ppb v/v		1	0.5
trans-1,2-Dichloroethene	22-MAR-07 17:22	0.118	2.8	µg/m³		1	1.7
rans-1,2-Dichloroethene	22-MAR-07 17:22	0.47	ND	ppb v/v		1	0.5
l,1-Dichloroethane	22-MAR-07 17:22	0.116	ND ND	ug/m³		1	2.0
1,1-Dichloroethane	22-MAR-07 17:22		ND	v/v dag		1	0.5
Methyl t-Butyl Ether	22-MAR-07 17:22	0.47	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	22-MAR-07 17:22	0.147	ND	ppb v/v		1	0.5
Vinyl Acetate	22-MAR-07 17:22 22-MAR-07 17:22		ND	µg/m³		11	1.8
Vinyl Acetate	22-MAR-07 17:22 22-MAR-07 17:22	0.133	ND	ppb v/v		11	0.5
,1-Dichloroethene	22-MAR-07 17:22 22-MAR-07 17:22	0.47	ND	ug/m³		1	1.8
,1-Dichloroethene	22-MAR-07 17:22 22-MAR-07 17:22	0.109	ND	ppb v/v		1	0.5
-Butanone	22-MAR-07 17:22 22-MAR-07 17:22	0.43	ND	µg/m³		1	2.0
-Butanone	22-MAR-07 17:22 22-MAR-07 17:22	0.182	1.1	ppb v/v		1	0.5
Cthyl Acetate	22-MAR-07 17:22 22-MAR-07 17:22	0.54	3.2	µg/m³		1	1.5
	122-MAR-U/ 17:22	0.273	ND	ppb v/v		1	0.5

Web Page: www.datachem.com E-mail: lab@datachem.com



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 28-MAR-07 14:36 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E01705 DCL Report Group..: 07E-0189-01

Analyte	Date	107	T	T		T	
Ethyl Acetate	Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Hexane	22-MAR-07 17:22		ND	µg/m³		1	1.8
Hexane	22-MAR-07 17:22	0.121	1.2	ppb v/v		1	0.5
Chloroform	22-MAR-07 17:22	0.43	4.2	µg/m³		1	1.8
Chloroform	22-MAR-07 17:22	0.115	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	22-MAR-07 17:22	0.56	ND	μg/m³		1	2.4
1,1,1-Trichloroethane	22-MAR-07 17:22 22-MAR-07 17:22	0.0725	0.14	ppb v/v	J	1	0.5
Carbon Tetrachloride	22-MAR-07 17:22	0.40	0.75	µg/m³	J	1	2.7
Carbon Tetrachloride	22-MAR-07 17:22 22-MAR-07 17:22	0.0657	ND	ppb v/v		1	0.5
Benzene	22-MAR-07 17:22 22-MAR-07 17:22	0.41	ND	μg/m³		1	3.1
Benzene	22-MAR-07 17:22 22-MAR-07 17:22	0.102	0.33	ppb v/v	J	1	0.5
Tetrahydrofuran	22-MAR-07 17:22 22-MAR-07 17:22	0.33	1.0	µg/m³	J	1	1.6
Tetrahydrofuran	22-MAR-07 17:22 22-MAR-07 17:22	0.227	ND	ppb v/v		1	0.5
1,2-Dichloroethane	22-MAR-07 17:22 22-MAR-07 17:22	0.67	ND	µg/m³		1	1.5
1,2-Dichloroethane	22-MAR-07 17:22 22-MAR-07 17:22	0.153	ND	ppb v/v		1	0.5
Cyclohexane	22-MAR-07 17:22 22-MAR-07 17:22	0.62	ND	μg/m³		1	2.0
Cyclohexane	22-MAR-07 17:22 22-MAR-07 17:22	0.120	0.48	ppb v/v	J	1	0.5
Trichloroethene	22-MAR-07 17:22 22-MAR-07 17:22	0.41	1.7	µg/m³	J	1	1.7
Trichloroethene	22-MAR-07 17:22 22-MAR-07 17:22	0.120	0.22	ppb v/v	J	1	0.5
1,2-Dichloropropane	22-MAR-07 17:22 22-MAR-07 17:22	0.64	1.2	μg/m³	J	1	2.7
1,2-Dichloropropane	22-MAR-07 17:22 22-MAR-07 17:22	0.123	ND	ppb v/v		1	0.5
Bromodichloromethane	22-MAR-07 17:22 22-MAR-07 17:22	0.57	ND .	μg/m³		111	2.3
Bromodichloromethane	22-MAR-07 17:22 22-MAR-07 17:22	0.0779	ND	ppb v/v		11	0.5
Heptane	22-MAR-07 17:22 22-MAR-07 17:22	0.52 0.101	ND	µg/m³		1	3.3
Heptane	22-MAR-07 17:22	0.101	0.77	v/v dgg		1	0.5
cis-1,3-Dichloropropene	22-MAR-07 17:22	0.106	3.2	µg/m³		1	2.0
cis-1,3-Dichloropropene	22-MAR-07 17:22	0.48	ND ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	22-MAR-07 17:22	0.116	NDUT	µg/m³		1	2.3
4-Methyl-2-Pentanone	22-MAR-07 17:22	0.48	ND ()	F F F - 1/1		1	0.5
Toluene	22-MAR-07 17:22	0.115	0.83	ppb v/v		1	2.0
Toluene	22-MAR-07 17:22	0.43	3.1	hall m3		1	0.5
trans-1,3-Dichloropropene	22-MAR-07 17:22	0.130	ND	ppb v/v		1	1.9
trans-1,3-Dichloropropene	22-MAR-07 17:22	0.59	ND	hg/m³		1 1	0.5
1,1,2-Trichloroethane	22-MAR-07 17:22	0.0972	ND	ppb v/v		1	2.3
1,1,2-Trichloroethane	22-MAR-07 17:22	0.53	ND	µg/m³			0.5 2.7
Tetrachloroethene	22-MAR-07 17:22	0.0847	2.7	ppb v/v		$\frac{1}{1}$	0.5
Tetrachloroethene 2-Hexanone	22-MAR-07 17:22	0.57	18.	hd/w ₃		$\frac{1}{1}$	3.4
2-nexanone 2-Hexanone	22-MAR-07 17:22	0.136	KD UJ			1	0.5
Dibromochloromethane	22-MAR-07 17:22	0.56	NDUJ	µg/m³		1	2.0
Dibromochloromethane	22-MAR-07 17:22	0.0792	ND	ppb v/v		1	0.5
1,2-Dibromoethane	22-MAR-07 17:22	0.67	ND	ug/m³		1	4.2
1,2-Dibromoethane	22-MAR-07 17:22	0.119	ND	ppb v/v		1	0.5
Chlorobenzene	22-MAR-07 17:22	0.91	ND	μg/m³		1	3.8
Chlorobenzene	22-MAR-07 17:22	0.0882	ND	v/v dqq		1	0.5
Ethylbenzene	22-MAR-07 17:22	0.41	ND	μg/m³		1	2.3
Ethylbenzene	22-MAR-07 17:22	0.150	0.24	ppb v/v	J	1	0.5
n,p-Xylene	22-MAR-07 17:22 22-MAR-07 17:22	0.65	1.1	μg/m³	J	1	2.2
n,p-Xylene	22-MAR-07 17:22 22-MAR-07 17:22	0.213 ·	0.35	ppb v/v	J	1	1.0
o-Xylene	22-MAR-07 17:22 22-MAR-07 17:22	0.92	1.5	μg/m³	J	1	4.3
-Xylene	22-MAR-07 17:22 22-MAR-07 17:22	0.113	0.16	v/v dqq	J	1	0.5
Styrene	22-MAR-07 17:22 22-MAR-07 17:22	0.49	0.68	ug/m³	J	1	2.2
Styrene	22-MAR-07 17:22 22-MAR-07 17:22	0.0748	ND	v/v dqq		1	0.5
Bromoform	22-MAR-07 17:22 22-MAR-07 17:22	0.32	ND	nd/w3		1	2.1
Bromoform	22-MAR-07 17:22 22-MAR-07 17:22	0.0884	ND	ppb v/v		1	0.5
.,1,2,2-Tetrachloroethane	22-MAR-07 17:22	0.108	ND	µg/m³		1	5.1
.,1,2,2-Tetrachloroethane	22-MAR-07 17:22	0.74	ND ND	ppb v/v		1	0.5
Benzyl Chloride	22-MAR-07 17:22	0.136	ND	ug/m³		1	3.4
		- 1 2 0	MD	ppb v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed..... 28-MAR-07 14:36

Client Name.....: Weston Solutions, Inc.

DCL Sample Name...: 07E01705 DCL Report Group..: 07E-0189-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	Dor
Benzyl Chloride	22-MAR-07 17:22	0.70	ND		Quai.	DITUCTOR	PQL
4-Ethyl toluene	22-MAR-07 17:22	0.0983	ND	µg/m³	ļ	1	2.6
4-Ethyl toluene	22-MAR-07 17:22	0.48	ND	ppb v/v	 	$\frac{1}{1}$	0.5
1,3,5-Trimethylbenzene	22-MAR-07 17:22	0.112		µg/m³		1 1	2.5
1,3,5-Trimethylbenzene	22-MAR-07 17:22	0.55	ND	ppb v/v		1	0.5
1,2,4-Trimethylbenzene	22-MAR-07 17:22	0.117	ND	ug/m³		1	2.5
1,2,4-Trimethylbenzene	22-MAR-07 17:22 22-MAR-07 17:22		0.20	ppb v/v	J	1	0.5
1,3-Dichlorobenzene	22-MAR-07 17:22 22-MAR-07 17:22	0.58	1.0	μg/m³	J	1	2.5
1,3-Dichlorobenzene	22-MAR-07 17:22 22-MAR-07 17:22	0.120	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	22-MAR-07 17:22 22-MAR-07 17:22	0.72	ND	μg/m³		1	3.0
1,4-Dichlorobenzene		0.0987	ND	ppb v/v		1	0.5
1,2-Dichlorobenzene	22-MAR-07 17:22	0.59	ND	µg/m³		1	3.0
1,2-Dichlorobenzene	22-MAR-07 17:22	0.0851	ND	ppb v/v		1	0.5
	22-MAR-07 17:22	0.51	ND	μg/m³		1	3.0
1,2,4-Trichlorobenzene	22-MAR-07 17:22	0.115	C U DM	ppb v/v		1	0.5
1,2,4-Trichlorobenzene	22-MAR-07 17:22	0.85	TUDM	μg/m³		1	3.7
Hexachlorobutadiene	22-MAR-07 17:22	0.119	ND/JJ	ppb v/v		1	0.5
Hexachlorobutadiene	22-MAR-07 17:22	1.3	ND UT	µg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Oual.	Dilution
Isobutane (4.52)	22-MAR-07 17:22	37.	y\v dag	J	1
Butane (4.80)	22-MAR-07 17:22		ppb v/v	J	1
Propane, 2,2-dimethyl-(4.93) Ethanol(5.26)	22-MAR-07 17:22		ppb v/v	J	1
Pentane(6.12)	22-MAR-07 17:22		ppb v/v	J	1
Terreame (0.12)	22-MAR-07 17:22	2.7	v\v daa	ıΤ	1

BEHR VOC PLUME SITE DAYTON, OHIO DATA VALIDATION REPORT

Date: June 6, 2007

Laboratory: DataChem Laboratories, Inc. (DataChem), Salt Lake City, Utah

Laboratory SDG #/Set ID #: BEHR/07E-0352-01

Data Validation Performed By: Lisa Graczyk, Dynamac Corporation (Dynamac),

subcontractor to Weston Solutions, Inc. (Weston)

Weston Analytical Work Order #/TDD #: 20405.016.003.0121.00/S05-0612-007

This data validation report has been prepared by Dynamac, a Weston subcontractor, under the START III Region V contract. This report documents the data validation of air samples collected for the Behr VOC Plume Site that were analyzed for Volatile Organic Compounds (VOC) by U.S. Environmental Protection Agency (U.S. EPA) method TO-15. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Organic Data Review" dated October 1999.

VOCs in Air by U.S. EPA Method TO15

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

<u>Samples</u>	<u>Lab ID</u>	<u>Matrix</u>	<u>Date</u> <u>Collected</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>
EPA-12-SS	07E02345	Air	05/01/07	NA	05/04/07
EPA-13-SS	07E02346	Air	05/01/07	NA	05/04/07
EPA-14-SS	07E02347	Air	05/01/07	NA	05/04/07
EPA-15-SS	07E02348	Air	05/01/07	NA	05/04/07
EPA-16-SS	07E02349	Air	05/01/07	NA	05/04/07

2. <u>Holding Times</u>

The samples were analyzed within the required holding time limit of 30 days from sample collection in accordance with method TO-15.

3. Instrument Performance Check

The instrument performance check using bromofluorobenzene (BFB) was performed within the 24-hour period for which the samples were analyzed as required for method TO-15. The BFB standard met the ion abundance criteria specified in method TO-15.

Laboratory WO #: BEHR/07E-0352-01

4. <u>Initial Calibration</u>

For the initial calibration, the percent relative standard deviations (%RSD) for all compounds were less than 30 percent except for propene. The quantitation limits for propene were flagged "UJ" as estimated for this discrepancy. The average relative response factors were all greater than 0.05.

5. <u>Continuing Calibration</u>

The percent differences (%D) in the continuing calibration standard for all target compounds were within the control limit of less than or equal to 25 percent except for propene. The quantitation limits for propene were flagged "UJ" as estimated for this discrepancy.

6. Blanks

The method blank associated with the samples was free of target compound contamination.

7. <u>Surrogates</u>

The 4-bromofluorobenzene surrogate spike recoveries in the samples were within the quality control (QC) limits.

8. Laboratory Control Sample (LCS)

The LCS recoveries and LCS duplicate recoveries were within the laboratory-established QC limits of 70 to 130 percent recovery except for the following compounds: propene; chloromethane; vinyl chloride; 1,3-butadiene; bromomethane; and chloroethane. These compounds were all detected low. Since these compounds were not detected in the samples, the quantitation limits were flagged "UJ" as estimated for this discrepancy.

9. <u>Internal Standard Results</u>

The internal standard area counts in the samples were within -50 percent to +100 percent of the area counts of the associated continuing calibration standard. The retention time of the internal standards did not vary more than ± 30 seconds from the retention time of the associated continuing calibration standard.

Data Validation Report Behr VOC Plume Site DataChem Laboratories

Laboratory WO #: BEHR/07E-0352-01

10. Target Compound Identification

A spot-check was performed of the mass spectra for detected compounds. The spot-check confirmed compound identification. DataChem appropriately flagged those results detected above the method detection limit but below the quantitation limit as "J" or estimated.

Data Validation Report Behr VOC Plume Site DataChem Laboratories Laboratory WO #: BEHR/07E-0352-01

ATTACHMENT

DATACHEM LABORATORIES RESULTS SUMMARY



Form RLIMS63A-V1.4 05100710505088

Page 12



SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 10-MAY-07 10:50

Client Name..... Weston Solutions, Inc.

Client Ref Number...: 055729

Sampling Site..... Behr VOC Plume PRP

Release Number....: 055729

Date Received.....: 03-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared.......: Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume...: Not Required

Client Sample Name: EPA-12-SS
DCL Sample Name...: 07E02345
DCL Report Group..: 07E-0352-01

Matrix..... AIR

Date Sampled....: 01-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis.....:

☒ As Received ☐ Dried

DCL Analysis Group: G074801C
Analysis Method. . : T0-15
Instrument Type. . : GC/MS V0
Instrument ID. . . : 5972-0
Column Type. . . : DB-1

X Primary

☐ Confirmation

	Date		T			, 	
Analyte	Analyzed	MDL	Result	Units	Oual.	Dilution	POL
Propene	04-MAY-07 11:47	0.180	ND U]	v/v dag		1	0.5
Propene	04-MAY-07 11:47	0.31	ND I/T	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1	0.86
Dichlorodifluoromethane	04-MAY-07 11:47	0.0669	0.52	v/v dag		1 1	0.5
Dichlorodifluoromethane	04-MAY-07 11:47	0.33	2.6	ug/m³		1	2.5
Chloromethane	04-MAY-07 11:47	0.249	ND UJ			1	0.5
Chloromethane	04-MAY-07 11:47	0.51	ND IJ	na/w3		1	1.0
Freon 114	04-MAY-07 11:47	0.156	ND	v\v dag		1	0.5
Freon 114	04-MAY-07 11:47	1.1	ND	ug/m³		1	3.5
Vinyl Chloride	04-MAY-07 11:47	0.301	ND 11t	v\v dag		1	0.5
Vinyl Chloride	04-MAY-07 11:47	0.77	ND U			1	1.3
1,3-Butadiene	04-MAY-07 11:47	0.346	ND IT			1	0.5
1,3-Butadiene	04-MAY-07 11:47	0.77	NDIT	√ μα/m³		1	1.1
Bromomethane	04-MAY-07 11:47	0.215	ND UF	v\v daa		1	0.5
Bromomethane	04-MAY-07 11:47	0.83	ND LOT	ua/m³		1	1.9
Chloroethane	04-MAY-07 11:47	0.388	CU DN	v\v dag		1	0.5
Chloroethane	04-MAY-07 11:47	1.0	ND UT	ug/m³		1	1.3 -
Freon 11	04-MAY-07 11:47	0.0921	0.35	v\v daa	J	1.	0.5
Freon 11	04-MAY-07 11:47	0.52	2.0	µg/m³	J	1	2.8
cis-1,2-Dichloroethene	04-MAY-07 11:47	0.102	ND	v\v daa		1	0.5
cis-1,2-Dichloroethene	04-MAY-07 11:47	0.40	ND	ug/m³		1	2.0
Carbon Disulfide	04-MAY-07 11:47	0.111	ND	v/v dag		1	0.5
Carbon Disulfide	04-MAY-07 11:47	0.35	ND	nd/w3		1	1.6
Freon 113	04-MAY-07 11:47	0.0950	ND	v\v daa		1	0.5
Freon 113	04-MAY-07 11:47	0.73	ND	ug/m³		1	3.8
Acetone	04-MAY-07 11:47	0.113	ND	v/v dgg		1	0.5
Acetone	04-MAY-07 11:47	0.27	ND	ug/m³		1	1.2
Methylene Chloride	04-MAY-07 11:47	0.168	ND	ppb v/v		1	0.5
Methylene Chloride	04-MAY-07 11:47	0.58	ND	ug/m³		1 +	1.7
trans-1,2-Dichloroethene	04-MAY-07 11:47	0.118	ND	v\v dag		1	0.5
trans-1,2-Dichloroethene	04-MAY-07 11:47	0.47	ND	ug/m³		1	2.0
1,1-Dichloroethane	04-MAY-07 11:47	0.116	ND	v/v dag		1	0.5
1,1-Dichloroethane	04-MAY-07 11:47	0.47	ND	nd/m3		1	2.0
Methyl t-Butyl Ether	04-MAY-07 11:47	0.147	ND	v/v dag		1	0.5
Methyl t-Butyl Ether	04-MAY-07 11:47	0.53	ND	nd/w3		1	1.8
Vinyl Acetate	04-MAY-07 11:47	0.133	ND	v/v dag		1	0.5
Vinyl Acetate	04-MAY-07 11:47	0.47	ND	na/w3		1	1.8
1,1-Dichloroethene	04-MAY-07 11:47	0.109	ND	v/v dqq		1	0.5
1,1-Dichloroethene	04-MAY-07 11:47	0.43	ND	na/w ₃		1	2.0
2-Butanone	04-MAY-07 11:47	0.182	ND	v/v dag		1	0.5
2-Butanone	04-MAY-07 11:47	0.54	ND	na/w ₃		1	1.5
Ethyl Acetate	04-MAY-07 11:47	0.273	ND	ppb v/v		1	0.5



SAMPLE ANALYSIS DATA SHEET

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Date Printed.....: 10-MAY-07 10:50

Client Name.....: Weston Solutions, Inc.

DCL Sample Name...: 07E02345
DCL Report Group..: 07E-0352-01

	Date	T	·	1	 		
Analyte	Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Ethyl Acetate	04-MAY-07 11:47	0.98	ND	ug/m³		1	1.8
Hexane	04-MAY-07 11:47	0.121	0.72	v\v dag		1	0.5
Hexane	04-MAY-07 11:47	0.43	2.5	nd/m3	<u> </u>	1 1	1.8
Chloroform	04-MAY-07 11:47	0.115	ND	v\v dqq		1 1	0.5
Chloroform	04-MAY-07 11:47	0.56	ND	ug/m³		1	2.4
1,1,1-Trichloroethane	04-MAY-07 11:47	0.0725	ND	ppb v/v		1 1	0.5
1,1,1-Trichloroethane	04-MAY-07 11:47	0.40	ND	hd/w ₃		1 1	2.7
Carbon Tetrachloride	04-MAY-07 11:47	0.0657	ND	ppb v/v	 	1	0.5
Carbon Tetrachloride	04-MAY-07 11:47	0.41	ND	nd/m3		1 1	3.1
Benzene	04-MAY-07 11:47	0.102	0.36	ppb v/v	J	1	0.5
Benzene	04-MAY-07 11:47	0.33	1.1	hd/w3	J	1 1	1.6
Tetrahydrofuran	04-MAY-07 11:47	0.227	ND	ppb v/v	<u>°</u>	1	0.5
Tetrahydrofuran	04-MAY-07 11:47	0.67	ND	ug/m³		1	1.5
1,2-Dichloroethane	04-MAY-07 11:47	0.153	ND	ppb v/v		1	0.5
1,2-Dichloroethane	04-MAY-07 11:47	0.62	ND	nd/w ₃		1	2.0
Cyclohexane	04-MAY-07 11:47	0.120	ND	ppb v/v		1	0.5
Cyclohexane	04-MAY-07 11:47	0.41	ND	hd/m3		1	1.7
Trichloroethene	04-MAY-07 11:47	0.120	ND	ppb v/v		1	0.5
Trichloroethene	04-MAY-07 11:47	0.64	ND	ug/m³		1	2.7
1,2-Dichloropropane	04-MAY-07 11:47	0.123	ND	ppb v/v		$\frac{1}{1}$	0.5
1,2-Dichloropropane	04-MAY-07 11:47	0.57	ND	hd/m3		1	2.3
Bromodichloromethane	04-MAY-07 11:47	0.0779	ND	μg/m³ v/v dqq		1	0.5
Bromodichloromethane	04-MAY-07 11:47	0.52	ND	hd/w ₃		1	
Heptane	04-MAY-07 11:47	0.101	0.42	ppb v/v	J	1	3.3
Heptane	04-MAY-07 11:47	0.41	1.7	hd/w ₃	J	1	0.5
cis-1,3-Dichloropropene	04-MAY-07 11:47	0.106	ND	ppb v/v	<u> </u>	1	2.0
cis-1,3-Dichloropropene	04-MAY-07 11:47	0.48	ND	ha/w ₃		$\frac{1}{1}$	0.5
4-Methyl-2-Pentanone	04-MAY-07 11:47	0.116	ND	v\v dag		1	2.3
4-Methyl-2-Pentanone	04-MAY-07 11:47	0.48	ND	ha/w ₃		1	0.5
Toluene	04-MAY-07 11:47	0.115	0.96	v\v dqq		1	2.0
Toluene	04-MAY-07 11:47	0.43	3.6	hd/w ₃		$\frac{1}{1}$	0.5
trans-1,3-Dichloropropene	04-MAY-07 11:47	0.130	ND	v\v dqq		1	1.9
trans-1,3-Dichloropropene	04-MAY-07 11:47	0.59	ND	hd/w ₃		1	0.5
1,1,2-Trichloroethane	04-MAY-07 11:47	0.0972	ND	ppb v/v			2.3 -
1,1,2-Trichloroethane	04-MAY-07 11:47	0.53	ND	hd/w ₃		$-\frac{1}{1}$	0.5
Tetrachloroethene	04-MAY-07 11:47	0.0847	0.39	v\v daa	J		2.7
Tetrachloroethene	04-MAY-07 11:47	0.57	2.6	nd/w ₃	J	1 1	0.5
2-Hexanone	04-MAY-07 11:47	0.136	ND	ppb v/v	<u> </u>	1	3.4
2-Hexanone	04-MAY-07 11:47	0.56	ND	hd/w ₃			0.5
Dibromochloromethane	04-MAY-07 11:47	0.0792	ND	v\v dqq		1	2.0
Dibromochloromethane	04-MAY-07 11:47	0.67	ND	hd/m3			0.5
1,2-Dibromoethane	04-MAY-07 11:47	0.119	ND	ppb v/v		1 +	4.2
1,2-Dibromoethane	04-MAY-07 11:47	0.91	ND	ha/w3		1	0.5
Chlorobenzene	04-MAY-07 11:47	0.0882	ND			1	3.8
Chlorobenzene	04-MAY-07 11:47	0.41	ND	ppb v/v		1	0.5
Ethylbenzene	04-MAY-07 11:47	0.150	0.36	µg/m³		1	2.3
Ethylbenzene	04-MAY-07 11:47	0.65	1.5	ppb v/v	J	1	0.5
m,p-Xylene	04-MAY-07 11:47	0.03	0.62	µg/m³	J	1 1	2.2
m,p-Xylene	04-MAY-07 11:47	0.92	2.7	ppb v/v	J		1.0
o-Xylene	04-MAY-07 11:47	0.113	0.29	µg/m³	J	1	4.3
o-Xylene	04-MAY-07 11:47	0.49		ppb v/v	- <u>J</u>	1	0.5
Styrene	04-MAY-07 11:47		1.2	nd/w3	J	1	2.2
Styrene	04-MAY-07 11:47	0.0748	ND	ppb v/v		1	0.5
Bromoform	04-MAY-07 11:47		ND	ug/m³		1	2.1
Bromoform	04-MAY-07 11:47	0.0884	ND	v/v dag		1	0.5
1,1,2,2-Tetrachloroethane	04-MAY-07 11:47	0.90	ND	na/w3		1	5.1
1,1,2,2-Tetrachloroethane		0.108	ND	v/v dag		1	0.5
Benzyl Chloride	04-MAY-07 11:47 04-MAY-07 11:47	0.74	ND	nd/w3		1	3.4
	104-MAI-0/ 11:4/	0.136	ND	ppb v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 10-MAY-07 10:50

Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02345 DCL Report Group..: 07E-0352-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Benzyl Chloride	04-MAY-07 11:47	0.70	ND	µg/m³		1 1	2.6
4-Ethyl toluene	04-MAY-07 11:47	0.0983	0.14	v\v dag	J	1 1	0.5
4-Ethyl toluene	04-MAY-07 11:47	0.48	0.66	ug/m³	J	1 1	2.5
1,3,5-Trimethylbenzene	04-MAY-07 11:47	0.112	0.15	ppb v/v	J	1 1	0.5
1,3,5-Trimethylbenzene	04-MAY-07 11:47	0.55	0.72	µg/m³	J	1 1	2.5
1,2,4-Trimethylbenzene	04-MAY-07 11:47	0.117	0.50	ppb v/v		1 1	0.5
1,2,4-Trimethylbenzene	04-MAY-07 11:47	0.58	2.5	ua/m³		1 1	2.5
1,3-Dichlorobenzene	04-MAY-07 11:47	0.120	ND	v\v daa		1 1	0.5
1,3-Dichlorobenzene	04-MAY-07 11:47	0.72	ND	ug/m³		1	3.0
1,4-Dichlorobenzene	04-MAY-07 11:47	0.0987	ND	v/v dqq		1 1	0.5
1,4-Dichlorobenzene	04-MAY-07 11:47	0.59	ND	nd/m3		1 1	3.0
1,2-Dichlorobenzene	04-MAY-07 11:47	0.0851	ND	v\v dqq		1 1	0.5
1,2-Dichlorobenzene	04-MAY-07 11:47	0.51	ND	ug/m³		1 1	3.0
1,2,4-Trichlorobenzene	04-MAY-07 11:47	0.115	ND	ppb v/v		1 1	0.5
1,2,4-Trichlorobenzene	04-MAY-07 11:47	0.85	ND	nd/w3		1 1	3.7
Hexachlorobutadiene	04-MAY-07 11:47	0.119	ND	v\v daa	*******	1 1	0.5
Hexachlorobutadiene	04-MAY-07 11:47	1.3	ND	nd/m3		1 1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Unknown fluorocarbon(4.51)	04-MAY-07 11:47	3.2	v\v dag	J	1
Isobutane(4.66)	04-MAY-07 11:47	5.2	v/v dag	J	1
Butane (4.94)	04-MAY-07 11:47	2.8	v/v dag	J	1
Ethanol(5.50)	04-MAY-07 11:47	3.7	ppb v/v	J	1 1
Unknown fluorocarbon(13.78)	04-MAY-07 11:47	26.	ppb v/v	J	1



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 10-MAY-07 10:50

Client Name..... : Weston Solutions, Inc.

Client Ref Number...: 055729

Sampling Site..... Behr VOC Plume PRP

Release Number....: 055729

Date Received.....: 03-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared..... Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume...: Not Required

Client Sample Name: EPA-13-SS DCL Sample Name...: 07E02346 DCL Report Group..: 07E-0352-01

Matrix....: AIR

Date Sampled....: 01-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis.....: ☒ As Received ☐ Dried

DCL Analysis Group: G074801C Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-0 Column Type.....: DB-1

X Primary ☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	POL
Propene	04-MAY-07 12:57	0.180	NDUT	v/v dgg	Quai.	1	~~
Propene	04-MAY-07 12:57	0.31	ND UJ			1 1	0.5
Dichlorodifluoromethane	04-MAY-07 12:57	0.0669	0.46	ppb v/v	J	$\frac{1}{1}$	0.86
Dichlorodifluoromethane	04-MAY-07 12:57	0.33	2.3	na/w ₃	J	1 1	0.5
Chloromethane	04-MAY-07 12:57	0.249	ND UJ	ppb v/v	J	$\frac{1}{1}$	2.5
Chloromethane	04-MAY-07 12:57	0.51	ND UJ			1 1	0.5
Freon 114	04-MAY-07 12:57	0.156	ND ND	μg/m³		 	1.0
Freon 114	04-MAY-07 12:57	1.1	ND	ha/w ₃	 	1	0.5
Vinyl Chloride	04-MAY-07 12:57	0.301	TUDIA	μg/m³			3.5
Vinyl Chloride	04-MAY-07 12:57	0.77	ND UJ			1	0.5
1,3-Butadiene	04-MAY-07 12:57	0.346	TO DI	μg/m³		1	1.3
1,3-Butadiene	04-MAY-07 12:57	0.77	ND DT			1	0.5
Bromomethane	04-MAY-07 12:57	0.215	ND UJ	ppb v/v		1	1.1
Bromomethane	04-MAY-07 12:57	0.83	ND UT	ha\w ₃		1	0.5
Chloroethane	04-MAY-07 12:57	0.388	TI, DN	v\v daa		1	1.9
Chloroethane	04-MAY-07 12:57	1.0	ND UJ	ha/w ₃		1	0.5
Freon 11	04-MAY-07 12:57	0.0921	0.22	ppb v/v	J	1	1.3
Freon 11	04-MAY-07 12:57	0.52	1.2		J	1	0.5
cis-1,2-Dichloroethene	04-MAY-07 12:57	0.102	ND	μg/m³	U U	1	2.8
cis-1,2-Dichloroethene	04-MAY-07 12:57	0.40	ND	ha/w ₃		1 1	0.5
Carbon Disulfide	04-MAY-07 12:57	0.111	ND	ν\ν dag		1	2.0
Carbon Disulfide	04-MAY-07 12:57	0.35	ND	na/w3		1	0.5
Freon 113	04-MAY-07 12:57	0.0950	ND	νν daa		1	1.6
Freon 113	04-MAY-07 12:57	0.0330	ND ND			1	0.5
Acetone	04-MAY-07 12:57	0.113	ND	µg/m³		1	3.8
Acetone	04-MAY-07 12:57	0.113	ND	ppb v/v		1	0.5
Methylene Chloride	04-MAY-07 12:57	0.168	ND			1	1.2
Methylene Chloride	04-MAY-07 12:57	0.58	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	04-MAY-07 12:57	0.118	ND	μg/m³		1	1.7
trans-1,2-Dichloroethene	04-MAY-07 12:57	0.47	ND	ppb v/v		1	0.5
1,1-Dichloroethane	04-MAY-07 12:57	0.116	ND	ug/m³		1	2.0
1,1-Dichloroethane	04-MAY-07 12:57	0.47	ND ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	04-MAY-07 12:57	0.147		ug/m³		1.	2.0
Methyl t-Butyl Ether	04-MAY-07 12:57	0.147	ND	ppb v/v			0.5
Vinyl Acetate	04-MAY-07 12:57	0.133	ND	µg/m³			1.8
Vinyl Acetate	04-MAY-07 12:57	0.133	ND	ppb v/v		1	0.5
1,1-Dichloroethene	04-MAY-07 12:57	0.47	ND	µg/m³		1	1.8
1,1-Dichloroethene	04-MAY-07 12:57	0.109	ND	v/v dag		1	0.5
2-Butanone	04-MAY-07 12:57	0.43	ND	μg/m³		1	2.0
2-Butanone	04-MAY-07 12:57	0.182	ND	ppb v/v		1	0.5
Ethyl Acetate	04-MAY-07 12:57		ND	na/w3		1	1.5
	U4-MAI-U/ 12:5/	0.273	ND	v/v dqq		1	0.5

Phone (801) 266-7700 FAX (801) 268-9992

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E-mail: lab@datachem.com

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SAMPLE ANALYSIS DATA SHEET

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Date Printed.....: 10-MAY-07 10:50 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02346 DCL Report Group..: 07E-0352-01

	Date		·				
Analyte	Analyzed	MDL	Result	Units	Qual.	Dilution	DOL
Ethyl Acetate	04-MAY-07 12:57	0.98	ND	nd/w3	Quai.	1	PQL
Hexane	04-MAY-07 12:57	0.121	ND	py dag			1.8
Hexane	04-MAY-07 12:57	0.43	ND	hd/w ₃		1 1	0.5
Chloroform	04-MAY-07 12:57	0.115	ND	ppb v/v		1 1	1.8
Chloroform	04-MAY-07 12:57	0.56	ND	nd/m3	 	1 1	0.5
1,1,1-Trichloroethane	04-MAY-07 12:57	0.0725	ND	ppb v/v		$\frac{1}{1}$	2.4
1,1,1-Trichloroethane	04-MAY-07 12:57	0.40	ND	hd/w ₃		1 1	0.5
Carbon Tetrachloride	04-MAY-07 12:57	0.0657	ND	ppb v/v	 	$\frac{1}{1}$	2.7
Carbon Tetrachloride	04-MAY-07 12:57	0.41	ND	hd/w ₃	 	1 1	0.5
Benzene	04-MAY-07 12:57	0.102	0.19	ppb v/v	J	1 1	3.1
Benzene	04-MAY-07 12:57	0.33	0.62	hd/w ₃	J	1 1	0.5
Tetrahydrofuran	04-MAY-07 12:57	0.227	ND	ppb v/v	J	1 1	1.6
Tetrahydrofuran	04-MAY-07 12:57	0.67	ND	ha/w ₃		1 1	0.5
1,2-Dichloroethane	04-MAY-07 12:57	0.153	ND			1	1.5
1,2-Dichloroethane	04-MAY-07 12:57	0.62	ND	ppb v/v		1 1	0.5
Cyclohexane	04-MAY-07 12:57	0.120	ND	µg/m³		1	2.0
Cyclohexane	04-MAY-07 12:57	0.41	ND	ppb v/v		1	0.5
Trichloroethene	04-MAY-07 12:57	0.120	ND	µg/m³		1	1.7
Trichloroethene	04-MAY-07 12:57	0.120	ND ND	ppb v/v		1	0.5
1,2-Dichloropropane	04-MAY-07 12:57	0.123	ND	µg/m³		1	2.7
1,2-Dichloropropane	04-MAY-07 12:57	0.123	ND	ppb v/v		1	0.5
Bromodichloromethane	04-MAY-07 12:57	0.0779	ND	µg/m³		1	2.3
Bromodichloromethane	04-MAY-07 12:57	0.52	ND	ppb v/v		1	0.5
Heptane	04-MAY-07 12:57	0.101		µg/m³		1	3.3
Heptane	04-MAY-07 12:57	0.41	0.16	ppb v/v	J	1	0.5
cis-1,3-Dichloropropene	04-MAY-07 12:57	0.106	ND	µg/m³	J	1	2.0
cis-1,3-Dichloropropene	04-MAY-07 12:57	0.48	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	04-MAY-07 12:57	0.116	ND ND	ug/m³		1	2.3
4-Methyl-2-Pentanone	04-MAY-07 12:57	0.48	ND	ppb v/v		1	0.5
Toluene	04-MAY-07 12:57	0.115	0.42	µg/m³		1	2.0
Toluene	04-MAY-07 12:57	0.43	1.6	ppb v/v	J	1 1	0.5
trans-1,3-Dichloropropene	04-MAY-07 12:57	0.130	ND ND	µg/m³	J	1	1.9
trans-1,3-Dichloropropene	04-MAY-07 12:57	0.59	ND	v\v dqq		1	0.5
1,1,2-Trichloroethane	04-MAY-07 12:57	0.0972	ND	µg/m³		1	2.3
1,1,2-Trichloroethane	04-MAY-07 12:57	0.53	ND	ppb v/v		1	0.5
Tetrachloroethene	04-MAY-07 12:57	0.0847	1.6	μg/m³		1	2.7
Tetrachloroethene	04-MAY-07 12:57	0.57	11.	ppb v/v		1	0.5
2-Hexanone	04-MAY-07 12:57	0.136	ND ND	μg/m³		1	3.4
2-Hexanone	04-MAY-07 12:57	0.56	ND	ppb v/v		1	0.5
Dibromochloromethane	04-MAY-07 12:57	0.0792	ND	µg/m³		1	2.0
Dibromochloromethane	04-MAY-07 12:57	0.67	ND	ppb v/v			0.5
1,2-Dibromoethane	04-MAY-07 12:57	0.119	ND	µg/m³		1	4.2
1,2-Dibromoethane	04-MAY-07 12:57	0.91	ND	ppb v/v		1	0.5
Chlorobenzene	04-MAY-07 12:57	0.0882	ND	µg/m³		1	3.8
Chlorobenzene	04-MAY-07 12:57	0.41		ppb v/v			0.5
Ethylbenzene	04-MAY-07 12:57	0.150	ND 0.18	µg/m³		1	2.3
Ethylbenzene	04-MAY-07 12:57			v/v dqq	J	1	0.5
m,p-Xylene	04-MAY-07 12:57	0.65	0.76	ug/m³	J	1	2.2
m,p-Xylene	04-MAY-07 12:57	0.92		v/v dag	<u>J</u>	1	1.0
o-Xylene	04-MAY-07 12:57	0.113	1.2	µg/m³	J	1	4.3
o-Xylene	04-MAY-07 12:57	0.113	0.13	v/v dgg	J	1	0.5
Styrene	04-MAY-07 12:57		0.55	µg/m³	J	1	2.2
Styrene	04-MAY-07 12:57	0.0748	ND	v/v dqq		1	0.5
Bromoform	04-MAY-07 12:57		ND	nd/m3		1	2.1
Bromoform	04-MAY-07 12:57	0.0884	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	04-MAY-07 12:57	0.90	ND	µg/m³		1	5.1
1,1,2,2-Tetrachloroethane	04-MAY-07 12:57	0.108	ND	. ppb v/v		11	0.5
Benzyl Chloride	04-MAY-07 12:57		ND	µg/m³		1	3.4
	102 2221 0/ 12:3/	0.136	ND	ppb v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 10-MAY-07 10:50 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02346 DCL Report Group..: 07E-0352-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Oual.	Dilution	PQL
Benzyl Chloride	04-MAY-07 12:57	0.70 .	ND	nd/m3	~	1	2.6
4-Ethyl toluene	04-MAY-07 12:57	0.0983	ND	v\v dag		1 1	0.5
4-Ethyl toluene	04-MAY-07 12:57	0.48	ND	ug/m³		1 1	2.5
1,3,5-Trimethylbenzene	04-MAY-07 12:57	0.112	ND	ppb v/v		1 1	0.5
1,3,5-Trimethylbenzene	04-MAY-07 12:57	0.55	ND	ug/m³		1 1	2.5
1,2,4-Trimethylbenzene	04-MAY-07 12:57	0.117	0.19	v/v dqq	J	1 1	0.5
1,2,4-Trimethylbenzene	04-MAY-07 12:57	0.58	0.91	na/m3	J	 	2.5
1,3-Dichlorobenzene	04-MAY-07 12:57	0.120	ND	ppb v/v		1 1	0.5
1,3-Dichlorobenzene	04-MAY-07 12:57	0.72	ND	ua/m³		1 1	3.0
1,4-Dichlorobenzene	04-MAY-07 12:57	0.0987	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	04-MAY-07 12:57	0.59	ND	ug/m³		1 1	3.0
1,2-Dichlorobenzene	04-MAY-07 12:57	0.0851	ND	v/v dqq		1	0.5
1,2-Dichlorobenzene	04-MAY-07 12:57	0.51	ND	µq/m³		1	3.0
1,2,4-Trichlorobenzene	04-MAY-07 12:57	0.115	ND	v/v daa			0.5
1,2,4-Trichlorobenzene	04-MAY-07 12:57	0.85	ND	ug/m³		1	3.7
Hexachlorobutadiene	04-MAY-07 12:57	0.119	ND	v/v daa		1 1	0.5
Hexachlorobutadiene	04-MAY-07 12:57	1.3	ND	µg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Oual.	Dilution
Unknown fluorocarbon(13.79)	04-MAY-07 12:57	20.	ppb v/v	J	1



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 10-MAY-07 10:50

Client Name.....: Weston Solutions, Inc.

Client Ref Number...: 055729

Sampling Site..... Behr VOC Plume PRP

Release Number....: 055729

Date Received.....: 03-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared.....: Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume...: Not Required

Client Sample Name: EPA-14-SS
DCL Sample Name...: 07E02347
DCL Report Group..: 07E-0352-01

Matrix.... AIR

Date Sampled....: 01-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis....: X As Received Dried

DCL Analysis Group: G074801C
Analysis Method...: T0-15
Instrument Type...: GC/MS V0
Instrument ID....: 5972-0
Column Type....: DB-1

Primary
 Confirmation

Analytical Results

Propene Propene Dichlorodifluoromethane Dichlorodifluoromethane	04-MAY-07 14:07 04-MAY-07 14:07	0.180		Units	Qual.	Dilution	POL
Dichlorodifluoromethane	04-MAY-07 14:07	0.100	ND IJ	v\v daa		1	0.5
Dichlorodifluoromethane Dichlorodifluoromethane		0.31	ND LIT	na/w3		1 1	0.86
Dichlorodifluoromethane	04-MAY-07 14:07	0.0669	0.49	ppb v/v	J	1	0.5
	04-MAY-07 14:07	0.33	2.4	μg/m³	J	1 1	2.5
Chloromethane	04-MAY-07 14:07	0.249	NDUJ	v/v dqq		1 1	0.5
Chloromethane	04-MAY-07 14:07	0.51	NDIXT	μg/m³		1	1.0
Freon 114	04-MAY-07 14:07	0.156	ND	v/v dag		$\frac{1}{1}$	0.5
Freon 114	04-MAY-07 14:07	1.1	ND	na/m³		1 1	3.5
Vinyl Chloride	04-MAY-07 14:07	0.301	ND UJ	v\v daa		1 1	0.5
Vinyl Chloride	04-MAY-07 14:07	0.77	ND UJ	ug/m³		1	1.3
1,3-Butadiene	04-MAY-07 14:07	0.346	ND I/T	v\v daa		1	0.5
1,3-Butadiene	04-MAY-07 14:07	0.77	ND U	nd/w3		1	1.1
Bromomethane	04-MAY-07 14:07	0.215	NDIJ	v\v daa		1	0.5
Bromomethane	04-MAY-07 14:07	0.83	ND ()J	ug/m³		1	1.9
Chloroethane	04-MAY-07 14:07	0.388	NDIJ	v\v dgg		1	0.5
Chloroethane	04-MAY-07 14:07	1.0	ND (J	na/w3		1	1.3 -
Freon 11	04-MAY-07 14:07	0.0921	0.26	v\v daa	J	1	0.5
Freon 11	04-MAY-07 14:07	0.52	1.5	nd/m3	J	1	2.8
cis-1,2-Dichloroethene	04-MAY-07 14:07	0.102	0.86	v\v daa		1	0.5
cis-1,2-Dichloroethene	04-MAY-07 14:07	0.40	3.4	na/w3		1	2.0
Carbon Disulfide	04-MAY-07 14:07	0.111	1.1	v\v dag		1	0.5
Carbon Disulfide	04-MAY-07 14:07	0.35	3.4	nd/w3		1	1.6
Freon 113	04-MAY-07 14:07	0.0950	0.18	v\v dag	J	1	0.5
Freon 113	04-MAY-07 14:07	0.73	1.3	nd/w3	J	1	3.8
Acetone	04-MAY-07 14:07	0.113	13.	v/v dag		1	0.5
Acetone	04-MAY-07 14:07	0.27	32.	na/w3		1	1.2
Methylene Chloride	04-MAY-07 14:07	0.168	ND	v/v dag		1	0.5
Methylene Chloride	04-MAY-07 14:07	0.58	ND	na/w ₃		- 1 +	1.7
trans-1,2-Dichloroethene	04-MAY-07 14:07	0.118	0.83	ppb v/v		1	0.5
trans-1,2-Dichloroethene	04-MAY-07 14:07	0.47	3.3	na/w ₃		1	2.0
1,1-Dichloroethane	04-MAY-07 14:07	0.116	0.68	v\v daa		1	0.5
1,1-Dichloroethane	04-MAY-07 14:07	0.47	2.8	hd/w ₃		$\frac{1}{1}$	2.0
Methyl t-Butyl Ether	04-MAY-07 14:07	0.147	ND	ppb v/v		$-\frac{1}{1}$	0.5
Methyl t-Butyl Ether	04-MAY-07 14:07	0.53	ND	hd/w ₃			
Vinyl Acetate	04-MAY-07 14:07	0.133	ND	v\v dag		$\frac{1}{1}$	1.8 0.5
Vinyl Acetate	04-MAY-07 14:07	0.47	ND	nd/w ₃		1 +	1.8
1,1-Dichloroethene	04-MAY-07 14:07	0.109	ND	v\v daa		1 +	0.5
l,1-Dichloroethene	04-MAY-07 14:07	0.43	ND	nd/w ₃		1 +	
2-Butanone	04-MAY-07 14:07	0.182	ND	v\v daa		1	2.0
2-Butanone	04-MAY-07 14:07	0.54	ND	ha\w ₃		$\frac{1}{1}$	0.5
Ethyl Acetate	04-MAY-07 14:07	0.273	ND	ν/ν dag		1	1.5 0.5

10/6/07 018



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 10-MAY-07 10:50
Client Name....: Weston Solutions, Inc.

DCL Sample Name...: 07E02347
DCL Report Group..: 07E-0352-01

Analyte	Date	MOT	D 3:				
	Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Ethyl Acetate Hexane	04-MAY-07 14:07	0.98	ND	ug/m³		1 1	1.8
Hexane	04-MAY-07 14:07	0.121	1.7	ppb v/v		1 1	0.5
Chloroform	04-MAY-07 14:07	0.43	6.1	µg/m³		1	1.8
Chloroform	04-MAY-07 14:07	0.115	0.65	v/v dag		1 1	0.5
1,1,1-Trichloroethane	04-MAY-07 14:07	0.56	3.2	µg/m³		1	2.4
1,1,1-Trichloroethane	04-MAY-07 14:07	0.0725	9.1	ppb v/v		1	0.5
	04-MAY-07 14:07	0.40	50.	μg/m³		1	2.7
Carbon Tetrachloride Carbon Tetrachloride	04-MAY-07 14:07	0.0657	ND	ppb v/v		1	0.5
Benzene	04-MAY-07 14:07	0.41	ND	µg/m³		1	3.1
Benzene	04-MAY-07 14:07	0.102	0.72	ppb v/v		1	0.5
Tetrahydrofuran	04-MAY-07 14:07	0.33	2.3	µg/m³		1	1.6
Tetrahydrofuran Tetrahydrofuran	04-MAY-07 14:07	0.227	ND	ppb v/v		1	0.5
1,2-Dichloroethane	04-MAY-07 14:07	0.67	ND	µg/m³		1 1	1.5
	04-MAY-07 14:07	0.153	ND	ppb v/v		1	0.5
1,2-Dichloroethane Cyclohexane	04-MAY-07 14:07	0.62	ND	µg/m³		1	2.0
	04-MAY-07 14:07	0.120	ND	ppb v/v		1	0.5
Cyclohexane Trichloroethene	04-MAY-07 14:07	0.41	ND	ug/m³		1	1.7
Trichloroethene Trichloroethene	04-MAY-07 14:07	1.2	220	ppb v/v		10	5.0
1,2-Dichloropropane	04-MAY-07 14:07	6.4	1200	μg/m³		10	27.
1,2-Dichloropropane 1,2-Dichloropropane	04-MAY-07 14:07	0.123	ND	v/v dag		1	0.5
Bromodichloromethane	04-MAY-07 14:07	0.57	ND	µg/m³	·····	1	2.3
Bromodichloromethane	04-MAY-07 14:07	0.0779	ND	ppb v/v		1	0.5
Heptane	04-MAY-07 14:07	0.52	ND	μg/m³		1	3.3
Heptane Heptane	04-MAY-07 14:07	0.101	1.4	v/v dqq		1	0.5
cis-1,3-Dichloropropene	04-MAY-07 14:07	0.41	5.6	μg/m³		1	2.0
cis-1,3-Dichloropropene	04-MAY-07 14:07	0.106	ND	ppb v/v		1	0.5
	04-MAY-07 14:07	0.48	ND	μg/m³		1	2.3
4-Methyl-2-Pentanone 4-Methyl-2-Pentanone	04-MAY-07 14:07	0.116	ND	ppb v/v		1	0.5
Toluene	04-MAY-07 14:07	0.48	ND	μg/m³		1	2.0
Toluene	04-MAY-07 14:07	0.115	1.9	v/v dqq		1	0.5
trans-1,3-Dichloropropene	04-MAY-07 14:07	0.43	7.3	μg/m³		1	1.9
trans-1,3-Dichloropropene	04-MAY-07 14:07	0.130	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	04-MAY-07 14:07	0.59	ND	μg/m³		1	2.3
1,1,2-Trichloroethane	04-MAY-07 14:07	0.0972	ND	v/v dqq		1	0.5
Tetrachloroethene	04-MAY-07 14:07	0.53	ND	µg/m³		1	2.7
Tetrachloroethene	04-MAY-07 14:07 04-MAY-07 14:07	0.0847	2.1	ppb v/v		1	0.5
2-Hexanone		0.57	14.	μg/m³		1	3.4
2-Hexanone	04-MAY-07 14:07	0.136	ND	v/v dgg		1	0.5
Dibromochloromethane	04-MAY-07 14:07	0.56	ND	µg/m³		1	2.0
Dibromochloromethane	04-MAY-07 14:07 04-MAY-07 14:07	0.0792	ND	ppb v/v		1	0.5
1,2-Dibromoethane	04-MAY-07 14:07 04-MAY-07 14:07	0.67	ND	ug/m³		1	4.2
1,2-Dibromoethane	04-MAY-07 14:07 04-MAY-07 14:07	0.119	ND	_ppb_v/v		1	0.5
Chlorobenzene	04-MAY-07 14:07 04-MAY-07 14:07	0.91	ND	µg/m³		1	3.8
Chlorobenzene	04-MAY-07 14:07 04-MAY-07 14:07		ND	v/v dqq		1	0.5
Ethylbenzene	04-MAY-07 14:07 04-MAY-07 14:07	0.41	ND	µg/m³		1	2.3
Ethylbenzene Ethylbenzene	04-MAY-07 14:07 04-MAY-07 14:07	0.150	0.66	v/v dqq		1	0.5
m,p-Xvlene		0.65	2.9	ug/m³		1	2.2
m,p-Xylene	04-MAY-07 14:07 04-MAY-07 14:07	0.213	1.2	v/v dqq		1	1.0
o-Xylene		0.92	5.1	na/w3		1	4.3
o-Xylene	04-MAY-07 14:07	0.113	0.49	v/v dqq	J	1	0.5
Styrene	04-MAY-07 14:07	0.49	2.1	ng/m³	J	1	2.2
Styrene	04-MAY-07 14:07	0.0748	ND	ppb v/v		1	0.5
Bromoform	04-MAY-07 14:07	0.32	ND	µg/m³		1	2.1
Bromoform	04-MAY-07 14:07	0.0884	ND	v/v dqq		1	0.5
1,1,2,2-Tetrachloroethane	04-MAY-07 14:07	0.90	ND	μg/m³		1	5.1
1,1,2,2-Tetrachloroethane	04-MAY-07 14:07	0.108	ND	ppb v/v		1	0.5
Benzyl Chloride	04-MAY-07 14:07	0.74	ND	µg/m³		1	3.4
Defire AT CHITOTIME	04-MAY-07 14:07	0.136	ND	v/v dqq		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 10-MAY-07 10:50 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02347 DCL Report Group..: 07E-0352-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Benzyl Chloride	04-MAY-07 14:07	0.70	ND	ug/m³		1	2.6
4-Ethyl toluene	04-MAY-07 14:07	0.0983	0.14	v\v dqq	J	1	0.5
4-Ethyl toluene	04-MAY-07 14:07	0.48	0.67	ug/m³	J	1 1	2.5
1,3,5-Trimethylbenzene	04-MAY-07 14:07	0.112	0.22	ppb v/v	J	1 1	0.5
1,3,5-Trimethylbenzene	04-MAY-07 14:07	0.55	1.1	µg/m³	J	1 1	2.5
1,2,4-Trimethylbenzene	04-MAY-07 14:07	0.117	0.69	v\v dag		1	0.5
1,2,4-Trimethylbenzene	04-MAY-07 14:07	0.58	3.4	µg/m³		1 1	2.5
1,3-Dichlorobenzene	04-MAY-07 14:07	0.120	ND	ppb v/v		1 1	0.5
1,3-Dichlorobenzene	04-MAY-07 14:07	0.72	ND	ug/m³		1 1	3.0
1,4-Dichlorobenzene	04-MAY-07 14:07	0.0987	ND	ppb v/v		1 1	0.5
1,4-Dichlorobenzene	04-MAY-07 14:07	0.59	ND	ug/m³		1 1	3.0
1,2-Dichlorobenzene	04-MAY-07 14:07	0.0851	ND	ppb v/v		1 1	0.5
1,2-Dichlorobenzene	04-MAY-07 14:07	0.51	ND	nd/m3		1 1	3.0
1,2,4-Trichlorobenzene	04-MAY-07 14:07	0.115	ND	v\v daa		1 1	0.5
1,2,4-Trichlorobenzene	04-MAY-07 14:07	0.85	ND	na/w3		1 1	3.7
Hexachlorobutadiene	04-MAY-07 14:07	0.119	ND	v\v dqq		1 1	0.5
Hexachlorobutadiene	04-MAY-07 14:07	1.3	ND	μg/m³		1 1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Isobutane(4.65)	04-MAY-07 14:07	8.2	ppb v/v	J	1
Butane (4.93)	04-MAY-07 14:07	3.3	ppb v/v	J	1
Ethanol(5.44)	04-MAY-07 14:07	26.	v/v dag	J	1
Disulfide, dimethyl(11.58)	04-MAY-07 14:07	2.4	ppb v/v	J	1
Unknown fluorocarbon(13.79)	04-MAY-07 14:07	14.	v/v dqq	J	1 1



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 10-MAY-07 10:50

Client Name..... : Weston Solutions, Inc.

Client Ref Number...: 055729

Sampling Site..... Behr VOC Plume PRP

Release Number..... 055729

Date Received.....: 03-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared..... Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL Net Weight/Volume...: Not Required

Client Sample Name: EPA-15-SS DCL Sample Name...: 07E02348 DCL Report Group..: 07E-0352-01

Matrix.... AIR

Date Sampled....: 01-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis....:

X As Received □ Dried

DCL Analysis Group: G074801C Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-0 Column Type..... DB-1

X Primary ☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Oual	Dilution	POL
Propene	04-MAY-07 15:19	0.180	NDUJ		Quui.	1	0.5
Propene	04-MAY-07 15:19	0.31	ND UT			1	0.86
Dichlorodifluoromethane	04-MAY-07 15:19	0.0669	0.46	ppb v/v	J	1	0.86
Dichlorodifluoromethane	04-MAY-07 15:19	0.33	2.3	μg/m³	J	1	2.5
Chloromethane	04-MAY-07 15:19	0.249	NDUT	ppb v/v	<u> </u>	$\frac{1}{1}$	0.5
Chloromethane	04-MAY-07 15:19	0.51	NDIN	ug/m³		1 1	1.0
Freon 114	04-MAY-07 15:19	0.156	ND	ppb v/v		1 1	0.5
Freon 114	04-MAY-07 15:19	1.1	ND	na/w3		1 1	3.5
Vinyl Chloride	04-MAY-07 15:19	0.301	ND UJ	v\v dag		$\frac{1}{1}$	0.5
Vinyl Chloride	04-MAY-07 15:19	0.77	NDUT	nd/m3		$\frac{1}{1}$	1.3
1,3-Butadiene	04-MAY-07 15:19	0.346	ND I			1 1	0.5
1,3-Butadiene	04-MAY-07 15:19	0.77	ND IX	na/w3		1	1.1
Bromomethane	04-MAY-07 15:19	0.215	ND D			$\frac{1}{1}$	0.5
Bromomethane	04-MAY-07 15:19	0.83	ND IJ	na/w3		1 1	1.9
Chloroethane	04-MAY-07 15:19	0.388	ND IX			1	0.5
Chloroethane	04-MAY-07 15:19	1.0	ND UT	ua/m³		1	1.3
Freon 11	04-MAY-07 15:19	0.0921	0.42	v\v daa	J	1	0.5
Freon 11	04-MAY-07 15:19	0.52	2.4	na/w3	J	1	2.8
cis-1,2-Dichloroethene	04-MAY-07 15:19	0.102	ND	v\v dag		1	0.5
cis-1,2-Dichloroethene	04-MAY-07 15:19	0.40	ND	ha/w3		1	2.0
Carbon Disulfide	04-MAY-07 15:19	0.111	0.13	v\v daa	J	1	0.5
Carbon Disulfide	04-MAY-07 15:19	0.35	0.40	ug/m³	J	1	1.6
Freon 113	04-MAY-07 15:19	0.0950	ND	ppb v/v		1	0.5
Freon 113	04-MAY-07 15:19	0.73	ND	nd/w3		1	3.8
Acetone	04-MAY-07 15:19	0.113	15.	ppb v/v		1 1	0.5
Acetone	04-MAY-07 15:19	0.27	36.	nd/w3		1 1	1.2
Methylene Chloride	04-MAY-07 15:19	0.168.	ND	ppb v/v		1	0.5
Methylene Chloride	04-MAY-07 15:19	0.58	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	04-MAY-07 15:19	0.118	ND	v\v daa		1	0.5
trans-1,2-Dichloroethene	04-MAY-07 15:19	0.47	ND	ug/m³		1	2.0
1,1-Dichloroethane	04-MAY-07 15:19	0.116	ND	v\v dag		1	0.5
1,1-Dichloroethane	04-MAY-07 15:19	0.47	ND	nd/w3		1	2.0
Methyl t-Butyl Ether	04-MAY-07 15:19	0.147	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	04-MAY-07 15:19	0.53	ND	na/m3		1	1.8
Vinyl Acetate	04-MAY-07 15:19	0.133	ND	v\v dag		1	0.5
Vinyl Acetate	04-MAY-07 15:19	0.47	ND	ha/w ₃		1	1.8
1,1-Dichloroethene	04-MAY-07 15:19	0.109	ND	ppb v/v		1	0.5
1,1-Dichloroethene	04-MAY-07 15:19	0.43	ND	na/w ₃		1	2.0
2-Butanone	04-MAY-07 15:19	0.182	0.20	ppb v/v	J	1	0.5
2-Butanone	04-MAY-07 15:19	0.54	0.58	ha/w ₃	J	1	1.5
Ethyl Acetate	04-MAY-07 15:19	0.273	ND	ppb v/v		1 .	0.5

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SAMPLE ANALYSIS DATA SHEET

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Date Printed.....: 10-MAY-07 10:50 Client Name.....: Weston Solutions, Inc.

DCL Sample Name...: 07E02348 DCL Report Group..: 07E-0352-01

Analyte	Date	1007			T	T	
Ethyl Acetate	Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Hexane	04-MAY-07 15:19		ND	µg/m³		1	1.8
Hexane	04-MAY-07 15:19 04-MAY-07 15:19		1.9	ppb v/v		1	0.5
Chloroform	04-MAY-07 15:19 04-MAY-07 15:19	0.43	6.6	µg/m³	ļ	1	1.8
Chloroform	04-MAY-07 15:19 04-MAY-07 15:19	0.115	0.14	ppb v/v	J	1	0.5
1,1,1-Trichloroethane	04-MAY-07 15:19		0.66	µg/m³	J	1 1	2.4
1,1,1-Trichloroethane	04-MAY-07 15:19	1 0 1 0 1 2 3	0.75	v/v dqq	ļ	1	0.5
Carbon Tetrachloride	04-MAY-07 15:19	0.40	4.1	µg/m³		1	2.7
Carbon Tetrachloride	04-MAY-07 15:19	0.0657	ND	ppb v/v		1 1	0.5
Benzene	04-MAY-07 15:19	0.102	ND	µg/m³		1	3.1
Benzene	04-MAY-07 15:19	0.102	1.9	ppb v/v	ļ	1 1	0.5
Tetrahydrofuran	04-MAY-07 15:19		ND	µg/m³	 	1	1.6
Tetrahydrofuran	04-MAY-07 15:19	0.67	ND	ppb v/v	 	1	0.5
1,2-Dichloroethane	04-MAY-07 15:19	0.153	ND	ppb v/v		1 1	1.5
1,2-Dichloroethane	04-MAY-07 15:19	0.62	ND	ha/w ₃		1	0.5
Cyclohexane	04-MAY-07 15:19	0.120	0.68	ppb v/v		1 1	2.0
Cyclohexane	04-MAY-07 15:19	0.41	2.4	nd/w ₃		1	0.5
Trichloroethene	04-MAY-07 15:19	0.120	ND	ppb v/v		1	1.7
Trichloroethene	04-MAY-07 15:19	0.64	ND	hd/w ₃		1	0.5
1,2-Dichloropropane	04-MAY-07 15:19	0.123	ND	ppb v/v		1	2.7
1,2-Dichloropropane	04-MAY-07 15:19	0.57	ND	ug/m³		$\frac{1}{1}$	0.5
Bromodichloromethane	04-MAY-07 15:19	0.0779	ND	ppb v/v		$\frac{1}{1}$	2.3
Bromodichloromethane	04-MAY-07 15:19	0.52	ND	µg/m³		$\frac{1}{1}$	0.5 3.3
Heptane	04-MAY-07 15:19	0.101	0.75	ppb v/v		1	0.5
Heptane	04-MAY-07 15:19	0.41	3.1	na/w3		1	2.0
cis-1,3-Dichloropropene	04-MAY-07 15:19	0.106	ND	v\v dag		1	0.5
cis-1,3-Dichloropropene	04-MAY-07 15:19	0.48	ND	μg/m³		1	2.3
4-Methyl-2-Pentanone	04-MAY-07 15:19	0.116	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	04-MAY-07 15:19	0.48	ND	μg/m³		1	2.0
Toluene	04-MAY-07 15:19	0.115	2.8	ppb v/v		1	0.5
Toluene	04-MAY-07 15:19	0.43	11.	μg/m³		1	1.9
trans-1,3-Dichloropropene	04-MAY-07 15:19	0.130	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	04-MAY-07 15:19	0.59	ND	µg/m³		1	2.3
1,1,2-Trichloroethane	04-MAY-07 15:19	0.0972	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	04-MAY-07 15:19	0.53	ND	μg/m³		1	2.7
Tetrachloroethene Tetrachloroethene	04-MAY-07 15:19	0.0847	ND	v/v dqq		1	0.5
2-Hexanone	04-MAY-07 15:19	0.57	ND	µg/m³		1	3.4
2-Hexanone	04-MAY-07 15:19	0.136	ND	v/v dqq		1	0.5
Dibromochloromethane	04-MAY-07 15:19	0.56	ND	μg/m³		1	2.0
Dibromochloromethane	04-MAY-07 15:19	0.0792	ND	ppb v/v		1 .	0.5
1,2-Dibromoethane	04-MAY-07 15:19	0.67	ND	μg/m³		1	4.2
1,2-Dibromoethane	04-MAY-07 15:19	0.119	ND	ppb v/v		1	0.5
Chlorobenzene	04-MAY-07 15:19	0.91	ND	µg/m³		1	3.8
Chlorobenzene	04-MAY-07 15:19	0.0882	ND	ppb v/v		1	0.5
Ethylbenzene	04-MAY-07 15:19	0.41	ND	µg/m³		1	2.3
Ethylbenzene	04-MAY-07 15:19	0.150	1.2	ppb v/v		1	0.5
m,p-Xylene	04-MAY-07 15:19	0.65	5.3	μg/m³		1	2.2
m,p-Xylene	04-MAY-07 15:19	0.213	3.4	v\v dqq		1	1.0
o-Xylene	04-MAY-07 15:19 04-MAY-07 15:19	0.92	15.	µg/m³		1	4.3
o-Xylene	04-MAY-07 15:19 04-MAY-07 15:19	0.113	1.6	v\v daa		1	0.5
Styrene	04-MAY-07 15:19 04-MAY-07 15:19	0.49	6.8	nd/m3		1	2.2
Styrene	04-MAY-07 15:19 04-MAY-07 15:19	0.0748	0.31	v\v dqq	J	1	0.5
Bromoform	04-MAY-07 15:19 04-MAY-07 15:19	0.32	1.3	μg/m³	J	1	2.1
Bromoform	04-MAY-07 15:19	0.0884	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	04-MAY-07 15:19 04-MAY-07 15:19	0.90	ND	ha/w3		1	5.1
1,1,2,2-Tetrachloroethane	04-MAY-07 15:19 04-MAY-07 15:19	0.108	ND	ppb v/v		1	0.5
Benzyl Chloride	04-MAY-07 15:19 04-MAY-07 15:19	0.74	ND	ug/m³		1	3.4
	104-MAI-0/ 15:19	0.136	ND	ppb v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 10-MAY-07 10:50
Client Name....: Weston Solutions, Inc.

DCL Sample Name...: 07E02348
DCL Report Group..: 07E-0352-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Benzyl Chloride	04-MAY-07 15:19	0.70	ND	μg/m³	~	1	2.6
4-Ethyl toluene	04-MAY-07 15:19	0.0983	0.44	v/v dag	J	1 1	0.5
4-Ethyl toluene	04-MAY-07 15:19	0.48	2.1	ug/m³	J	1 1	2.5
1,3,5-Trimethylbenzene	04-MAY-07 15:19	0.112	0.60	v/v dag		1	0.5
1,3,5-Trimethylbenzene	04-MAY-07 15:19	0.55	2.9	µg/m³		1	2.5
1,2,4-Trimethylbenzene	04-MAY-07 15:19	0.117	1.9	v\v daa		1	0.5
1,2,4-Trimethylbenzene	04-MAY-07 15:19	0.58	9.6	na/m3		1	2.5
1,3-Dichlorobenzene	04-MAY-07 15:19	0.120	0.38	v/v dag	J	1 1	0.5
1,3-Dichlorobenzene	04-MAY-07 15:19	0.72	2.3	μq/m³	J	1	3.0
1,4-Dichlorobenzene	04-MAY-07 15:19	0.0987	0.38	v/v dag	J	1	0.5
1,4-Dichlorobenzene	04-MAY-07 15:19	0.59	2.3	ug/m³	J	1	3.0
1,2-Dichlorobenzene	04-MAY-07 15:19	0.0851	ND	v/v dag		1	0.5
1,2-Dichlorobenzene	04-MAY-07 15:19	0.51	ND	µg/m³		1	3.0
1,2,4-Trichlorobenzene	04-MAY-07 15:19	0.115	ND	v/v daa		1	0.5
1,2,4-Trichlorobenzene	04-MAY-07 15:19	0.85	ND	µg/m³		1	3.7
Hexachlorobutadiene	04-MAY-07 15:19	0.119	ND	v/v dag		1	0.5
Hexachlorobutadiene	04-MAY-07 15:19	1.3	ND	μg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Oual.	Dilution
Dimethyl Ether(4.54)	04-MAY-07 15:19	4.8	v\v daa	·J	1
Isobutane(4.67)	04-MAY-07 15:19	4.5	v/v dag	J	1 1
Butane(4.95)	04-MAY-07 15:19	2.6	ppb v/v	J	1
Ethanol (5.50)	04-MAY-07 15:19	11.	ppb v/v	J	1
Pentane (6.28)	04-MAY-07 15:19	3.2	ppb v/v	J	1
Pentane, 2-methyl-(7.70)	04-MAY-07 15:19	3.9	ppb v/v	J	1
Pentane, 3-methyl-(8.03)	04-MAY-07 15:19	2.6	v/v dqq	J	1
Hexanal (12.67)	04-MAY-07 15:19	3.4	ppb v/v	J	1
Unknown fluorocarbon(13.79)	04-MAY-07 15:19	16.	v\v dqq	J	1
Undecane (18.69)	04-MAY-07 15:19	2.9	v/v dqq	J	1
Dodecane(20.24)	04-MAY-07 15:19	3.5	v/v dqq	J	1



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Client Sample Name: EPA-16-SS DCL Sample Name...: 07E02349

Matrix.... AIR

Reporting Units...: ppb v/v

DCL Analysis Group: G074801C

DCL Report Group..: 07E-0352-01

Date Sampled....: 01-MAY-07 00:00

Report Basis....:

☒ As Received ☐ Dried

Form RLIMS63A-V1.4

SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 10-MAY-07 10:50

Client Name..... : Weston Solutions, Inc.

Client Ref Number...: 055729

Sampling Site..... Behr VOC Plume PRP

Release Number.....: 055729

Date Received.....: 03-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared...... Not Applicable Preparation Method...: Not Applicable

Net Weight/Volume...: Not Required

Aliquot Weight/Volume: 200 mL

Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-0 Column Type....: DB-1

> X Primary ☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	POL
Propene	04-MAY-07 16:31.	0.180	ND UJ	v\v dag		1	0.5
Propene	04-MAY-07 16:31	0.31	NDUT	ug/m³		1 1	0.86
Dichlorodifluoromethane	04-MAY-07 16:31	0.0669	0.48	ppb v/v	J	1 1	0.5
Dichlorodifluoromethane	04-MAY-07 16:31	0.33	2.4	ug/m³	J	1 1	2.5
Chloromethane	04-MAY-07 16:31	0.249	CIGN	ppb v/v	-	1	0.5
Chloromethane	04-MAY-07 16:31	0.51	ND UJ			1 1	1.0
Freon 114	04-MAY-07 16:31	0.156	ND	v/v dag		1	0.5
Freon 114	04-MAY-07 16:31	1.1	ND	ug/m³		1	3.5
Vinyl Chloride	04-MAY-07 16:31	0.301	NDUJ			1 1	0.5
Vinyl Chloride	04-MAY-07 16:31	0.77	ND U.T			1	1.3
1,3-Butadiene	04-MAY-07 16:31	0.346	ND 1)J			1 1	0.5
1,3-Butadiene	04-MAY-07 16:31	0.77	NDUT	ug/m³		1	1.1
Bromomethane	04-MAY-07 16:31	0.215	ND UT			1	0.5
Bromomethane	04-MAY-07 16:31	0.83	ND UT	ua/m³.		1	1.9
Chloroethane	04-MAY-07 16:31	0.388	ND UJ			1	0.5
Chloroeth ane	04-MAY-07 16:31	1.0	ND UT	ug/m³		1	1.3
Freon 11	04-MAY-07 16:31	0.0921	0.22	v\v dag	J	1	0.5
Freon 11	04-MAY-07 16:31	0.52	1.2	µg/m³	· J	1	2.8
cis-1,2-Dichloroethene	04-MAY-07 16:31	0.102	ND	v\v dag		1	0.5
cis-1,2-Dichloroethene	04-MAY-07 16:31	0.40	ND	µg/m³		1	2.0
Carbon Disulfide	04-MAY-07 16:31	0.111	0.14	v\v daa	J	1	0.5
Carbon Disulfide	04-MAY-07 16:31	0.35	0.44	ug/m³	J	1	1.6
Freon 113	04-MAY-07 16:31	0.0950	ND	ppb v/v		1	0.5
Freon 113	04-MAY-07 16:31	0.73	ND	nd/w3		1	3.8
Acetone	04-MAY-07 16:31	0.113	3.7	ppb v/v		1	0.5
Acetone	04-MAY-07 16:31	0.27	8.9	nd/w3		1	1.2
Methylene Chloride	04-MAY-07 16:31	0.168	ND	v\v dqq		1	0.5
Methylene Chloride	04-MAY-07 16:31	0.58	ND	hd/w ₃		1	1.7
trans-1,2-Dichloroethene	04-MAY-07 16:31	0.118	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	04-MAY-07 16:31	0.47	ND	ug/m³		1	2.0
1,1-Dichloroethane	04-MAY-07 16:31	0.116	ND	ppb v/v		1	0.5
l,1-Dichloroethane	04-MAY-07 16:31	0.47	ND	ug/m³		1	2.0
Methyl t-Butyl Ether	04-MAY-07 16:31	0.147	ND	v/v dag		1	0.5
Methyl t-Butyl Ether	04-MAY-07 16:31	0.53	ND	hd/w ₃		1	
Jinyl Acetate	04-MAY-07 16:31	0.133	ND	ppb v/v		1	1.8 0.5
/inyl Acetate	04-MAY-07 16:31	0.47	ND	nd/w ₃		1	
,1-Dichloroethene	04-MAY-07 16:31	0.109	ND	ppb v/v		- <u>+</u> +	1.8
,1-Dichloroethene	04-MAY-07 16:31	0.43	ND	hd/w3		1	0.5
2-Butanone	04-MAY-07 16:31	0.182	ND	ppb v/v		1	2.0
2-Butanone	04-MAY-07 16:31	0.54	ND	ha/w3			0.5
Ethyl Acetate	04-MAY-07 16:31	0.273	ND	ppb v/v		$-\frac{1}{1}$	1.5 0.5

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SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4 05100710505088 Page 25



Date Printed.....: 10-MAY-07 10:50

Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02349 DCL Report Group..: 07E-0352-01

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Ethyl Acetate	04-MAY-07 16:31	0.98	ND	μg/m³		1	1.8
Hexane	04-MAY-07 16:31	0.121	1.4	ppb v/v		1	0.5
Hexane	04-MAY-07 16:31	0.43	4.9	µg/m³		1	1.8
Chloroform	04-MAY-07 16:31	0.115	ND	ppb v/v		1	0.5
Chloroform	04-MAY-07 16:31	0.56	ND	ug/m³		1	2.4
1,1,1-Trichloroethane	04-MAY-07 16:31	0.0725	0.22	v\v dag	J	1	0.5
1,1,1-Trichloroethane	04-MAY-07 16:31	0.40	1.2	µg/m³	J	1 1	2.7
Carbon Tetrachloride	04-MAY-07 16:31	0.0657	ND	ppb v/v		1 1	0.5
Carbon Tetrachloride	04-MAY-07 16:31	0.41	ND	µg/m³		1 1	3.1
Benzene	04-MAY-07 16:31	0.102	0.45	v\v dqq	J	1	0.5
Benzene	04-MAY-07 16:31	0.33	1.4	µg/m³	J	1	1.6
Tetrahydrofuran	04-MAY-07 16:31	0.227	ND	ppb v/v		1	0.5
Tetrahydrofuran	04-MAY-07 16:31	0.67	ND	µg/m³		1	1.5
1,2-Dichloroethane	04-MAY-07 16:31	0.153	ND	ppb v/v		1	0.5
1,2-Dichloroethane	04-MAY-07 16:31	0.62	ND	ug/m³		1	2.0
Cyclohexane	04-MAY-07 16:31	0.120	0.52	ppb v/v		1	0.5
Cyclohexane	04-MAY-07 16:31	0.41	1.8	nd/w3		1	1.7
Trichloroethene	04-MAY-07 16:31	0.120	ND	ppb v/v		$\frac{1}{1}$	0.5
Trichloroethene	04-MAY-07 16:31	0.64	ND	hd/w ₃		1	
1,2-Dichloropropane	04-MAY-07 16:31	0.123	ND	v\v dag		1	2.7
1,2-Dichloropropane	04-MAY-07 16:31	0.57	ND	hd/w ₃		1	0.5
Bromodichloromethane	04-MAY-07 16:31	0.0779	ND	v\v dag		1	2.3
Bromodichloromethane	04-MAY-07 16:31	0.52	ND	hd/w ₃			0.5
Heptane	04-MAY-07 16:31	0.101	1.0	ppb v/v		1	3.3
Heptane	04-MAY-07 16:31	0.41	4.3			1	0.5
cis-1,3-Dichloropropene	04-MAY-07 16:31	0.106	ND	µg/m³		1	2.0
cis-1,3-Dichloropropene	04-MAY-07 16:31	0.100		v/v dqq		1	0.5
4-Methyl-2-Pentanone	04-MAY-07 16:31	0.116	ND	μg/m³		1	2.3
4-Methyl-2-Pentanone	04-MAY-07 16:31		ND	ppb v/v		1	0.5
Toluene	04-MAY-07 16:31	0.48	ND 1 4	μg/m³		1	2.0
Toluene	04-MAY-07 16:31		1.4	ppb v/v		1	0.5
trans-1,3-Dichloropropene	04-MAY-07 16:31	0.43	5.3	µg/m³		1	1.9
trans-1,3-Dichloropropene	04-MAY-07 16:31	0.130	ND	v/v dqq		1	0.5
1,1,2-Trichloroethane	04-MAY-07 16:31	0.59	ND	ug/m³		1	2.3
1,1,2-Trichloroethane	04-MAY-07 16:31	0.0972	ND	ppb v/v		1	0.5
Tetrachloroethene	04-MAY-07 16:31 04-MAY-07 16:31	0.53	ND	µg/m³		1	2.7
Tetrachloroethene		0.0847	ND	ppb v/v		1	0.5
2-Hexanone	04-MAY-07 16:31	0.57	ND	µg/m³		1	3.4
2-Hexanone	04-MAY-07 16:31	0.136	ND	ppb v/v		1	0.5
Dibromochloromethane	04-MAY-07 16:31	0.56	ND	μg/m³		1	2.0
Dibromochloromethane	04-MAY-07 16:31	0.0792	ND	ppb v/v		1	0.5
1,2-Dibromoethane	04-MAY-07 16:31	0.67	ND	μg/m³		1	4.2
l,2-Dibromoethane	04-MAY-07 16:31	0.119	ND	ppb v/v		1	0.5
Chlorobenzene	04-MAY-07 16:31	0.91	ND	µg/m³		1	3.8
	04-MAY-07 16:31	0.0882	ND	ppb v/v		1	0.5
Chlorobenzene	04-MAY-07 16:31	0.41	ND	μg/m³		1	2.3
Ethylbenzene	04-MAY-07 16:31	0.150	0.50	v/v dqq		1	0.5
Ethylbenzene	04-MAY-07 16:31	0.65	2.2	µg/m³		1	2.2
n,p-Xylene	04-MAY-07 16:31	0.213	0.85	ppb v/v	J	1	1.0
n,p-Xylene	04-MAY-07 16:31	0.92	3.7	μg/m³	J	1	4.3
-Xylene	04-MAY-07 16:31	0.113	0.32	ppb v/v	J	1	0.5
-Xylene	04-MAY-07 16:31	0.49	1.4	µg/m³	J	1	2.2
Styrene	04-MAY-07 16:31	0.0748	ND	ppb v/v	-	1	0.5
Styrene	04-MAY-07 16:31	0.32	ND	ha/w3		1	2.1
romoform	04-MAY-07 16:31	0.0884	ND	ppb v/v		1	0.5
Bromoform	04-MAY-07 16:31	0.90	ND	nd/m3		1	5.1
.,1,2,2-Tetrachloroethane	04-MAY-07 16:31	0.108	ND	ppb v/v		1	
.,1,2,2-Tetrachloroethane	04-MAY-07 16:31	0.74	ND	ppp v/v			0.5
Benzyl Chloride	04-MAY-07 16:31	0.136		MA/111.		1	3.4



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 10-MAY-07 10:50 Client Name..... Weston Solutions, Inc.

DCL Sample Name...: 07E02349 DCL Report Group..: 07E-0352-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Benzyl Chloride	04-MAY-07 16:31	0.70	ND	ug/m³	E-mar-	1	2.6
4-Ethyl toluene	04-MAY-07 16:31	0.0983	ND	ppb v/v		1 1	0.5
4-Ethyl toluene	04-MAY-07 16:31	0.48	ND	µg/m³		1 1	2.5
1,3,5-Trimethylbenzene	04-MAY-07 16:31	0.112	0.14	ppb v/v	J	 	0.5
1,3,5-Trimethylbenzene	04-MAY-07 16:31	0.55	0.67	ug/m³	J	 	2.5
1,2,4-Trimethylbenzene	04-MAY-07 16:31	0.117	0.43	v\v daa	J	 	
1,2,4-Trimethylbenzene	04-MAY-07 16:31	0.58	2.1	nd/m3	J	 	0.5
1,3-Dichlorobenzene	04-MAY-07 16:31	0.120	ND	v\v daa	<u> </u>	 	2.5
1,3-Dichlorobenzene	04-MAY-07 16:31	0.72	ND	nd/w ₃		+ +	0.5
1,4-Dichlorobenzene	04-MAY-07 16:31	0.0987	ND	v\v dag		 	3.0
1,4-Dichlorobenzene	04-MAY-07 16:31	0.59	ND	na/w ₃		1 1	0.5
1,2-Dichlorobenzene	04-MAY-07 16:31	0.0851	ND	v\v dag		1	3.0
1,2-Dichlorobenzene	04-MAY-07 16:31	0.51	ND	hd/w ₃		1 1	0.5
1,2,4-Trichlorobenzene	04-MAY-07 16:31	0.115	ND	v\v dqq		1 1	3.0
1,2,4-Trichlorobenzene	04-MAY-07 16:31	0.85	ND	hd/w ₃		1 1	0.5
Hexachlorobutadiene	04-MAY-07 16:31	0.119	ND	pg/m²		1	3.7
Hexachlorobutadiene	04-MAY-07 16:31	1.3	ND	hd/w ₃		1 1	0.5 5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Ethanol (5.52)	04-MAY-07 16:31	3.4	v\v dag	J	1
Unknown fluorocarbon(13.79)	04-MAY-07 16:31	21.	ppb v/v	J	1

BEHR VOC PLUME SITE DAYTON, OHIO DATA VALIDATION REPORT

Date: June 5, 2007

Laboratory: DataChem Laboratories, Inc. (DataChem), Salt Lake City, Utah

Laboratory SDG #/Set ID #: BEHR/07E-0361-01

Data Validation Performed By: Lisa Graczyk, Dynamac Corporation (Dynamac),

subcontractor to Weston Solutions, Inc. (Weston)

Weston Analytical Work Order #/TDD #: 20405.016.003.0121.00/S05-0612-007

This data validation report has been prepared by Dynamac, a Weston subcontractor, under the START III Region V contract. This report documents the data validation of air samples collected for the Behr VOC Plume Site that were analyzed for Volatile Organic Compounds (VOC) by U.S. Environmental Protection Agency (U.S. EPA) method TO-15. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Organic Data Review" dated October 1999.

VOCs in Air by U.S. EPA Method TO15

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

<u>Samples</u>	<u>Lab ID</u>	<u>Matrix</u>	<u>Date</u> <u>Collected</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>
EPA-17-SS	07E02388	Air	05/02/07	NA	05/04/07
EPA-18-SS	07E02389	Air	05/02/07	NA	05/04/07
EPA-19-SS	07E02390	Air	05/02/07	NA	05/04/07
EPA-20-SS	07E02391	Air	05/02/07	NA	05/04/07
EPA-21-SS	07E02392	Air	05/02/07	NA	05/04/07

2. <u>Holding Times</u>

The samples were analyzed within the required holding time limit of 30 days from sample collection in accordance with method TO-15.

3. Instrument Performance Check

The instrument performance check using bromofluorobenzene (BFB) was performed within the 24-hour period for which the samples were analyzed as required for method TO-15. The BFB standard met the ion abundance criteria specified in method TO-15.

Laboratory WO #: BEHR/07E-0361-01

4. <u>Initial Calibration</u>

For the initial calibration, the percent relative standard deviations (%RSD) for all compounds were less than 30 percent except for propene. The quantitation limits for propene were flagged "UJ" as estimated for this discrepancy. The average relative response factors were all greater than 0.05.

5. <u>Continuing Calibration</u>

The percent differences (%D) in the continuing calibration standard for all target compounds were within the control limit of less than or equal to 25 percent except for propene. The quantitation limits for propene were flagged "UJ" as estimated for this discrepancy.

6. Blanks

The method blank associated with the samples was free of target compound contamination.

7. <u>Surrogates</u>

The 4-bromofluorobenzene surrogate spike recoveries in the samples were within the quality control (QC) limits.

8. Laboratory Control Sample (LCS)

The LCS recoveries and LCS duplicate recoveries were within the laboratory-established QC limits of 70 to 130 percent recovery except for the following compounds: propene; chloromethane; vinyl chloride; 1,3-butadiene; bromomethane; and chloroethane. These compounds were all detected low. Since these compounds were not detected in the samples, the quantitation limits were flagged "UJ" as estimated for this discrepancy.

9. <u>Internal Standard Results</u>

The internal standard area counts in the samples were within -50 percent to +100 percent of the area counts of the associated continuing calibration standard. The retention time of the internal standards did not vary more than ± 30 seconds from the retention time of the associated continuing calibration standard.

Data Validation Report Behr VOC Plume Site DataChem Laboratories

Laboratory WO #: BEHR/07E-0361-01

10. Target Compound Identification

A spot-check was performed of the mass spectra for detected compounds. The spot-check confirmed compound identification. DataChem appropriately flagged those results detected above the method detection limit but below the quantitation limit as "J" or estimated.

Data Validation Report Behr VOC Plume Site DataChem Laboratories Laboratory WO #: BEHR/07E-0361-01

ATTACHMENT

DATACHEM LABORATORIES RESULTS SUMMARY



SAMPLE ANALYSIS DATA SHEET

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Date Printed....: 10-MAY-07 10:49

Client Name..... : Weston Solutions, Inc.

Client Ref Number...: Not Provided

Sampling Site..... Behr VOC Plume PRP

Release Number....: 0055729

Date Received.....: 04-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared...... Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume...: Not Required

Client Sample Name: EPA-17-SS
DCL Sample Name...: 07E02388
DCL Report Group..: 07E-0361-01

Matrix..... AIR

Date Sampled....: 02-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis....: X As Received Dried

DCL Analysis Group: G074801D Analysis Method...: T0-15 Instrument Type...: GC/MS V0 Instrument ID....: 5972-0 Column Type....: DB-1

X Primary

☐ Confirmation

Analytical Results

	Date	T		,		·	
Analyte	Analyzed	MDL	Result	Units	Oual.	Dilution	POL
Propene	04-MAY-07 17:43	0.180	NDUT		E	1	0.5
Propene	04-MAY-07 17:43	0.31	ND VJ		 	1	0.86
Dichlorodifluoromethane	04-MAY-07 17:43	0.0669	0.55	ppb v/v	<u> </u>	1	0.86
Dichlorodifluoromethane	04-MAY-07 17:43	0.33	2.7	na/w3		1	2.5
Chloromethane	04-MAY-07 17:43	0.249	ND U.T	v\v daa	 	1	0.5
Chloromethane	04-MAY-07 17:43	0.51	ND UJ		 	1	1.0
Freon 114	04-MAY-07 17:43	0.156	ND	ppb v/v	 	$\frac{1}{1}$	0.5
Freon 114	04-MAY-07 17:43	1.1	ND	nd/w ₃	 	1 1	
Vinyl Chloride	04-MAY-07 17:43	0.301	ND//J		 	1 1	3.5
Vinyl Chloride	04-MAY-07 17:43	0.77	ND UJ	17.10.00	 	$\frac{1}{1}$	0.5
1,3-Butadiene	04-MAY-07 17:43	0.346	NDIJT			$\frac{1}{1}$	1.3
1,3-Butadiene	04-MAY-07 17:43	0.77	ND UJ	nd/w ₃			0.5
Bromomethane	04-MAY-07 17:43	0.215	ND UJ	μα/μιν v/v dag	l	1 1	1.1
Bromomethane	04-MAY-07 17:43	0.83	ND UT	nd/w3		1 1	0.5
Chloroethane	04-MAY-07 17:43	0.388	ND 1/J	ppb v/v		1	1.9
Chloroethane	04-MAY-07 17:43	1.0	ND VJ	ha/w3		1	0.5
Freon 11	04-MAY-07 17:43	0.0921	0.27			1	1.3
Freon 11	04-MAY-07 17:43	0.52	1.5	ppb v/v	J	1	0.5
cis-1,2-Dichloroethene	04-MAY-07 17:43	0.102	ND ND	µg/m³	J	1	2.8
cis-1,2-Dichloroethene	04-MAY-07 17:43	0.40	ND	v/v dqq		1	0.5
Carbon Disulfide	04-MAY-07 17:43	0.111	0.28	µg/m³		1	2.0
Carbon Disulfide	04-MAY-07 17:43	0.35	0.28	v\v dag	J	1	0.5
Freon 113	04-MAY-07 17:43	0.0950		ug/m³	J	1	1.6
Freon 113	04-MAY-07 17:43	0.0930	ND	v/v dqq		1	0.5
Acetone	04-MAY-07 17:43	0.113	ND	na/w3	·	1	3.8
Acetone	04-MAY-07 17:43	0.113	ND ND	v/v dqq		1	0.5
Methylene Chloride	04-MAY-07 17:43	0.168		ha/w3		11	1.2
Methylene Chloride	04-MAY-07 17:43	0.58	ND	v/v dag		1	0.5
trans-1,2-Dichloroethene	04-MAY-07 17:43	0.118	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	04-MAY-07 17:43	0.118	ND	ppb v/v		1	0.5
1,1-Dichloroethane	04-MAY-07 17:43	0.116	ND	ug/m³		1	2.0
1,1-Dichloroethane	04-MAY-07 17:43	0.116	ND	v/v dag		1	0.5
Methyl t-Butyl Ether	04-MAY-07 17:43	0.147	ND	ha/w3		1	2.0
Methyl t-Butyl Ether	04-MAY-07 17:43		ND	v/v dag		1	0.5
Vinyl Acetate	04-MAY-07 17:43	0.53	ND	nd/m3		1	1.8
Vinyl Acetate	04-MAY-07 17:43	0.133	ND	v/v dqq		1	0.5
1,1-Dichloroethene		0.47	ND	ug/m³		1	1.8
1,1-Dichloroethene	04-MAY-07 17:43	0.109	ND	v/v dqq		1	0.5
2-Butanone	04-MAY-07 17:43	0.43	ND	µg/m³		1	2.0
2-Butanone	04-MAY-07 17:43	0.182	ND	ppb v/v		1	0.5
Ethyl Acetate	04-MAY-07 17:43	0.54	ND	µg/m³		1	1.5
deny incecace	04-MAY-07 17:43	0.273	ND	ppb v/v		1	0.5

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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 10-MAY-07 10:49 Client Name..... Weston Solutions, Inc.

DCL Sample Name...: 07E02388 DCL Report Group..: 07E-0361-01

Analyte	Date Analyzed	MDL	D1-	TT i t.			
Ethyl Acetate			Result	Units	Qual.	Dilution	PQL
Hexane	04-MAY-07 17:43 04-MAY-07 17:43	0.98	ND	ug/m³		1 1	1.8
Hexane	04-MAY-07 17:43	0.121	3.0	ppb v/v		1 1	0.5
Chloroform	04-MAY-07 17:43	0.43	10.	nd/w3	ļ	1 1	1.8
Chloroform	04-MAY-07 17:43	0.115	ND	ppb v/v	ļ	1	0.5
1,1,1-Trichloroethane	04-MAY-07 17:43	0.56	ND	ug/m³		1 .	2.4
1,1,1-Trichloroethane	04-MAY-07 17:43	0.0725	ND	ppb v/v		1	0.5
Carbon Tetrachloride	04-MAY-07 17:43	0.40	ND	ha/w3		1 1	2.7
Carbon Tetrachloride	04-MAY-07 17:43	0.0657	ND	v/v dqq		1 1	0.5
Benzene	04-MAY-07 17:43		ND	µg/m³		1 1	3.1
Benzene	04-MAY-07 17:43	0.102	0.63	ppb v/v		1 1	0.5
Tetrahydrofuran	04-MAY-07 17:43		2.0	ug/m³		1.	1.6
Tetrahydrofuran	04-MAY-07 17:43	0.227	ND	ppb v/v		1	0.5
1,2-Dichloroethane	04-MAY-07 17:43		ND	µg/m³		1	1.5
1,2-Dichloroethane	04-MAY-07 17:43	0.153	ND	ppb v/v		1	0.5
Cyclohexane	04-MAY-07 17:43	0.82	ND 1 4	µg/m³		1	2.0
Cyclohexane	04-MAY-07 17:43	0.120	1.4	ppb v/v		1	0.5
Trichloroethene	04-MAY-07 17:43		4.7	µg/m³		1	1.7
Trichloroethene	04-MAY-07 17:43	0.120 0.64	ND	ppb v/v		1	0.5
1,2-Dichloropropane	04-MAY-07 17:43	0.64	ND	µg/m³		1	2.7
1,2-Dichloropropane	04-MAY-07 17:43	0.123	ND	ppb v/v		1	0.5
Bromodichloromethane	04-MAY-07 17:43	-0.0779	ND	ug/m³		1	2.3
Bromodichloromethane	04-MAY-07 17:43		ND	ppb v/v		1	0.5
Heptane	04-MAY-07 17:43	0.52	ND	ug/m³		1	3.3
Heptane	04-MAY-07 17:43		2.4	v\v dqq		1	0.5
cis-1,3-Dichloropropene	04-MAY-07 17:43	0.41	9.7	µg/m³		1 1	2.0
cis-1,3-Dichloropropene	04-MAY-07 17:43	0.108	ND	v/v dqq		1	0.5
4-Methyl-2-Pentanone	04-MAY-07 17:43	0.48	ND	µg/m³		1	2.3
4-Methyl-2-Pentanone	04-MAY-07 17:43	0.48	ND	v/v dqq		1	0.5
Toluene	04-MAY-07 17:43	0.115	ND 2.5	µg/m³		1	2.0
Toluene	04-MAY-07 17:43	0.115		_ppb_v/v		1	0.5
trans-1,3-Dichloropropene	04-MAY-07 17:43	0.130	9.4	µg/m³		1	1.9
trans-1,3-Dichloropropene	04-MAY-07 17:43	0.130	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	04-MAY-07 17:43	0.0972	ND ND	µg/m³		1	2.3 -
	04-MAY-07 17:43	0.53	ND	ppb v/v		1	0.5
	04-MAY-07 17:43	0.0847	ND	µg/m³		1	2.7
	04-MAY-07 17:43	0.57	ND	ppb v/v		1 +	0.5
	04-MAY-07 17:43	0.136	ND	ug/m³		1	3.4
	04-MAY-07 17:43	0.56	ND	ppb v/v		1	0.5
	04-MAY-07 17:43	0.0792	ND	ppb v/v		1	2.0
	04-MAY-07 17:43	0.67	ND			1	0.5
	04-MAY-07 17:43	0.119	ND	ppb v/v		1	4.2
1 0 7 13	04-MAY-07 17:43	0.91	ND	ha/w ₃		1	0.5
	04-MAY-07 17:43	0.0882	ND	ppb v/v		1	3.8
	04-MAY-07 17:43	0.41	ND	nd/w ₃		1 1	0.5
	04-MAY-07 17:43	0.150	1.3	ppb v/v		1	2.3
	04-MAY-07 17:43	0.65	5.8			1	0.5
	04-MAY-07 17:43	0.213	2.1	bbp n/n		1	2.2
	04-MAY-07 17:43	0.92	9.1	hd/w ₃		1	1.0
	04-MAY-07 17:43	0.113	0.96	ppb v/v		1	4.3
	04-MAY-07 17:43	0.49	4.2	ha/w³		1	0.5
	04-MAY-07 17:43	0.0748	ND ND			· 1	2.2
	04-MAY-07 17:43	0.32	ND	ha/w³		1	0.5
	04-MAY-07 17:43	0.0884	ND	bbp A\A		1	2.1
	04-MAY-07 17:43	0.90	ND			1	0.5
	04-MAY-07 17:43	0.108	ND	ppb v/v		1	5.1
	04-MAY-07 17:43	0.74	ND	ha/w ₃		1	0.5
	04-MAY-07 17:43	0.136	ND	ppb v/v		$\frac{1}{1}$	3.4
				PPD V/V		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 10-MAY-07 10:49 Client Name..... Weston Solutions, Inc.

DCL Sample Name...: 07E02388 DCL Report Group..: 07E-0361-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Benzyl Chloride	04-MAY-07 17:43	0.70	ND	nd/w3		1	2.6
4-Ethyl toluene	04-MAY-07 17:43	0.0983	0.25	v/v dag	J	1 1	0.5
4-Ethyl toluene	04-MAY-07 17:43	0.48	1.2	µg/m³	J	1 1	2.5
1,3,5-Trimethylbenzene	04-MAY-07 17:43	0.112	0.36	v/v dag	J	1	0.5
1,3,5-Trimethylbenzene	04-MAY-07 17:43	0.55	1.8	ug/m³	J	1 1	2.5
1,2,4-Trimethylbenzene	04-MAY-07 17:43	0.117	1.6	v\v daa		1 1	0.5
1,2,4-Trimethylbenzene	04-MAY-07 17:43	0.58	8.1	ug/m³		1 1	2.5
1,3-Dichlorobenzene	04-MAY-07 17:43	0.120	ND	ppb v/v		1 1	0.5
1,3-Dichlorobenzene	04-MAY-07 17:43	0.72	ND	ug/m³		1 1	3.0
1,4-Dichlorobenzene	04-MAY-07 17:43	0.0987	ND	ppb v/v		1 1	0.5
1,4-Dichlorobenzene	04-MAY-07 17:43	0.59	ND	hd/m3		1 1	3.0
1,2-Dichlorobenzene	04-MAY-07 17:43	0.0851	ND	v/v dag		1 1	0.5
1,2-Dichlorobenzene	04-MAY-07 17:43	0.51	ND	µg/m³		1 1	3.0
1,2,4-Trichlorobenzene	04-MAY-07 17:43	0.115	ND	ppb v/v		1 1	0.5
1,2,4-Trichlorobenzene	04-MAY-07 17:43	0.85	ND	ug/m³		1 1	3.7
Hexachlorobutadiene	04-MAY-07 17:43	0.119	ND	v/v dag		1 1	0.5
Hexachlorobutadiene	04-MAY-07 17:43	1.3	ND	µg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Propane(4.33)	04-MAY-07 17:43	7:7	v/v dag	J	1
Isobutane(4.66)	04-MAY-07 17:43	2.5	ppb v/v	J	1
Butane (4.95)	04-MAY-07 17:43	3.1	v\v dag	J	1
Ethanol (5.51)	04-MAY-07 17:43	3.4	ppb v/v	J	1
Pentane(6.29)	. 04-MAY-07 17:43	3.0	v\v dag	J	1
Pentane, 2-methyl-(7.70)	04-MAY-07 17:43	2.2	v\v dag	J	1
CYCLOHEXANE, METHYL-(11.46)	04-MAY-07 17:43	2.7	v/v dqq	J	1
Unknown fluorocarbon(13.80)	04-MAY-07 17:43	31.	v\v dag	J	1
Nonane (15.16)	04-MAY-07 17:43	2.6	ppb v/v	J	1
Decane (17.00)	04-MAY-07 17:43	3.0	v/v dqq	J	1
Undecane (18.70)	04-MAY-07 17:43	3.7	v\v dag	J	1
Dodecane(20.25)	04-MAY-07 17:43	3.4	v\v dag	J	1 1



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Form RLIMS63A-V1.4

SAMPLE ANALYSIS DATA SHEET

Date Printed......: 10-MAY-07 10:49

Client Name..... : Weston Solutions, Inc.

Client Ref Number ...: Not Provided

Sampling Site..... Behr VOC Plume PRP

Release Number....: 0055729

Date Received.....: 04-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared.....: Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume....: Not Required

Client Sample Name: EPA-18-SS DCL Sample Name...: 07E02389 DCL Report Group..: 07E-0361-01

Matrix....: AIR

Date Sampled....: 02-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis....:

☒ As Received □ Dried

DCL Analysis Group: G074801D Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-0 Column Type....: DB-1

> X Primary ☐ Confirmation

	Date	7			·		
Analyte	Analyzed	MDL	Result	Units	Oual.	Dilution	POL
Propene	04-MAY-07 18:52	0.180	ND 17.7	v/v dqq	~	1	0.5
Propene	04-MAY-07 18:52	0.31	ND U			1	0.86
Dichlorodifluoromethane	04-MAY-07 18:52	0.0669	0.53	ppb v/v		1	0.86
Dichlorodifluoromethane	04-MAY-07 18:52	0.33	2.6	ug/m³	 	1	2.5
Chloromethane	04-MAY-07 18:52	0.249	ND I) J		<u> </u>	1	0.5
Chloromethane	04-MAY-07 18:52	0.51	ND UJ		 	1	1.0
Freon 114	04-MAY-07 18:52	0.156	ND	v\v dġa		1	0.5
Freon 114	04-MAY-07 18:52	1.1	ND	ug/m³	 	1	3.5
Vinyl Chloride	04-MAY-07 18:52	0.301	ND UJ	ppb v/v		1	0.5
Vinyl Chloride	04-MAY-07 18:52	0.77	ND UJ		 	1	1.3
1,3-Butadiene	04-MAY-07 18:52	0.346	ND IJJ	v\v dgg	 	1	0.5
1,3-Butadiene	04-MAY-07 18:52	0.77	ND I		 	1	
Bromomethane	04-MAY-07 18:52	0.215	ND LA			1	1.1 0.5
Bromomethane	04-MAY-07 18:52	0.83	ND UJ	na/w3		1	
Chloroethane	04-MAY-07 18:52	0.388	ND UJ			1	1.9
Chloroethane	04-MAY-07 18:52	1.0	NDIA	nd/w ₃	-	$\begin{bmatrix} -\frac{1}{1} \end{bmatrix}$	0.5 1.3
Freon 11	04-MAY-07 18:52	0.0921	0.30	ppb v/v	J	1	0.5
Freon 11	04-MAY-07 18:52	0.52	1.7	na/w ₃	J	1	2.8
cis-1,2-Dichloroethene	04-MAY-07 18:52	0.102	12.	v\v daa		1	
cis-1,2-Dichloroethene	04-MAY-07 18:52	0.40	47.	na/w ₃		1	0.5
Carbon Disulfide	04-MAY-07 18:52	0.111	0.30	v\v dag	J	1	2.0
Carbon Disulfide	04-MAY-07 18:52	0.35	0.93	na/w ₃	J	1	0.5
Freon 113	04-MAY-07 18:52	0.0950	0.30	v\v daa	J	1	1.6
Freon 113	04-MAY-07 18:52	0.73	2.3	na/w ₃	J	1	0.5
Acetone	04-MAY-07 18:52	0.113	ND	ppb v/v	<u> </u>		3.8
Acetone	04-MAY-07 18:52	0.27	ND	ha/w ₃		$\frac{1}{1}$	0.5
Methylene Chloride	04-MAY-07 18:52	0.168	ND	v/v dag		1	1,2
Methylene Chloride	04-MAY-07 18:52	0.58	ND	nd/w ₃		1	0.5
trans-1,2-Dichloroethene	04-MAY-07 18:52	0.118	1.6	v\v dag		$\frac{1}{1}$	1.7
trans-1,2-Dichloroethene	04-MAY-07 18:52	0.47	6.3	hd/w ₃		 +	0.5
1,1-Dichloroethane	04-MAY-07 18:52	0.116	1.3	v/v dag		1	2.0
1,1-Dichloroethane	04-MAY-07 18:52	0.47	5.4	na/w ₃			0.5
Methyl t-Butyl Ether	04-MAY-07 18:52	0.147	ND ND	v/v dag		1	2.0
Methyl t-Butyl Ether	04-MAY-07 18:52	0.53	ND	nd/w ₃		1	0.5
Vinyl Acetate	04-MAY-07 18:52	0.133	ND	v\v daa			1.8
Vinyl Acetate	04-MAY-07 18:52	0.47	ND	ha/w ₃		1 1	0.5
1,1-Dichloroethene	04-MAY-07 18:52	0.109	ND	v/v daa			1.8
1,1-Dichloroethene	04-MAY-07 18:52	0.43	ND	ha/w3		1	0.5
2-Butanone	04-MAY-07 18:52	0.182	ND	ν\ν daa		1	2.0
2-Butanone	04-MAY-07 18:52	0.54	ND	na/w3		1	0.5
Ethyl Acetate	04-MAY-07 18:52	0.273	ND	bpp A/A		$-\frac{1}{1}$	1.5 0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 10-MAY-07 10:49 Client Name..... Weston Solutions, Inc.

DCL Sample Name...: 07E02389 DCL Report Group. .: 07E-0361-01

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Ethyl Acetate	04-MAY-07 18:52	0.98	ND .	ug/m³	E-W-:	1	1.8
Hexane	04-MAY-07 18:52	0.121	3.7	v/v dag	 	1 1	0.5
Hexane	04-MAY-07 18:52	0.43	13,	nd/w ₃		1	1.8
Chloroform	04-MAY-07 18:52	0.115	1.5	v/v dag		$\frac{1}{1}$	0.5
Chloroform	04-MAY-07 18:52	0.56	7.5	hd/w ₃		$\frac{1}{1}$	2.4
1,1,1-Trichloroethane	04-MAY-07 18:52	0.0725	9.8	v\v dag		$\frac{1}{1}$	0.5
1,1,1-Trichloroethane	04-MAY-07 18:52	0.40	54.	hd/w ₃		$\frac{1}{1}$	
Carbon Tetrachloride	04-MAY-07 18:52	0.0657	0.12	ppb v/v	J	1 1	0.5
Carbon Tetrachloride	04-MAY-07 18:52	0.41	0.73	hd/w ₃	J	1 1	
Benzene	04-MAY-07 18:52	0.102	0.91	ppb v/v	0	1 1	3.1 0.5
Benzene	04-MAY-07 18:52	0.33	2.9	nd/m3		1 1	
Tetrahydrofuran	04-MAY-07 18:52	0.227	ND	ppb v/v		$\frac{1}{1}$	1.6 0.5
Tetrahydrofuran	04-MAY-07 18:52	0.67	ND	hd/m3		$\frac{1}{1}$	
1,2-Dichloroethane	04-MAY-07 18:52	0.153	ND	ppb v/v		1 1	1.5
1,2-Dichloroethane	04-MAY-07 18:52	0.62	ND	hd/w ₃		$\frac{1}{1}$	0.5
Cyclohexane	04-MAY-07 18:52	0.120	1.3	ppb v/v		1	2.0
Cyclohexane	04-MAY-07 18:52	0.41	4.6	hd/w ₃		$\frac{1}{1}$	0.5
Trichloroethene	04-MAY-07 18:52	1.2	580	v\v dag	E	10	1.7 5.0
Trichloroethene	04-MAY-07 18:52	6.4	3100	hd/w ₃	E	10	27.
1,2-Dichloropropane	04-MAY-07 18:52	0.123	ND	v\v dqq	- 13	1	0.5
1,2-Dichloropropane	04-MAY-07 18:52	0.57	ND	nd/w ₃		1	2.3
Bromodichloromethane	04-MAY-07 18:52	0.0779	ND	v\v dag		$\frac{1}{1}$	0.5
Bromodichloromethane	04-MAY-07 18:52	0.52	ND	nd/w ₃		$\frac{1}{1}$	
Heptane	04-MAY-07 18:52	0.101	2.8	v\v dag		1	3.3 0.5
Heptane	04-MAY-07 18:52	0.41	11.	hd/w ₃		1	
cis-1,3-Dichloropropene	04-MAY-07 18:52	0.106	ND	v\v dag		1	2.0
cis-1,3-Dichloropropene	04-MAY-07 18:52	0.48	ND	hd/w ₃		1	0.5
4-Methyl-2-Pentanone	04-MAY-07 18:52	0.116	ND	v/v dqq		1	2.3 0.5
4-Methyl-2-Pentanone	04-MAY-07 18:52	0.48	ND	nd/w ₃		1	
Toluene	04-MAY-07 18:52	0.115	3.6	v\v daa		1	2.0
Toluene	04-MAY-07 18:52	0.43	14.	nd/m3		1	0.5 1.9
trans-1,3-Dichloropropene	04-MAY-07 18:52	0.130	ND ND	ppb v/v		1	
trans-1,3-Dichloropropene	04-MAY-07 18:52	0.59	ND	hd/m3		1	0.5 2.3 *
1,1,2-Trichloroethane	04-MAY-07 18:52	0.0972	ND	ppb v/v		1	
1,1,2-Trichloroethane	04-MAY-07 18:52	0.53	ND	hd/w ₃		1	.0.5
Tetrachloroethene	04-MAY-07 18:52	0.85	670	ppb v/v	E	10	2.7
Tetrachloroethene	04-MAY-07 18:52	5.7	4500	ha/w ₃	E	10	5.0
2-Hexanone	04-MAY-07 18:52	0.136	ND	ppb v/v		1	34.
2-Hexanone	04-MAY-07 18:52	0.56	ND	hd/w ₃		1 +	0.5
Dibromochloromethane	04-MAY-07 18:52	0.0792	ND	ppb v/v		1	2.0
Dibromochloromethane	04-MAY-07 18:52	0.67	ND	hd/w ₃		1	0.5
1,2-Dibromoethane	04-MAY-07 18:52	0.119	ND	ppb v/v		$\frac{1}{1}$	<u>4.2</u> 0.5
1,2-Dibromoethane	04-MAY-07 18:52	0.91	ND	µg/m³		1	
Chlorobenzene	04-MAY-07 18:52	0.0882	ND	v/v dag		1	3.8
Chlorobenzene	04-MAY-07 18:52	0.41	ND	ppb v/v		1	0.5
Ethylbenzene	04-MAY-07 18:52	0.150	1.8	ppb v/v		1	2.3
Ethylbenzene	04-MAY-07 18:52	0.65	8.0	ng/m³		1	0.5
m,p-Xylene	04-MAY-07 18:52	0.213	2.2	ppb v/v		1	2.2
m,p-Xylene	04-MAY-07 18:52	0.92	9.7	ng/m³		1	1.0
o-Xylene	04-MAY-07 18:52	0.113	1.1	ppb v/v		1	4.3 0.5
o-Xylene	04-MAY-07 18:52	0.49	4.6	hg/m³		1	
Styrene	04-MAY-07 18:52	0.0748	ND	ppb v/v		1	2.2
Styrene	04-MAY-07 18:52	0.32	ND	ha/w3			0.5
Bromoform	04-MAY-07 18:52	0.0884	ND	ppb v/v		1	2.1
Bromoform	04-MAY-07 18:52	0.90	ND			1	0.5
1,1,2,2-Tetrachloroethane	04-MAY-07 18:52	0.108	ND	µg/m³		1	5.1
1,1,2,2-Tetrachloroethane	04-MAY-07 18:52	0.74		ppb v/v		1	0.5
Benzyl Chloride	04-MAY-07 18:52	0.136	ND	µg/m³		1	3.4
	104 1141 07 10:32	0.130	ND	ppb. v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 10-MAY-07 10:49 Client Name.....: Weston Solutions, Inc.

DCL Sample Name...: 07E02389 DCL Report Group..: 07E-0361-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Oual.	Dilution	PQL
Benzyl Chloride	04-MAY-07 18:52	0.70	ND	ug/m³	~	1	2.6
4-Ethyl toluene	04-MAY-07 18:52	0.0983	0.31	v\v dgg	J	1 1	0.5
4-Ethyl toluene	04-MAY-07 18:52	0.48	1.5	µg/m³	J	1	2.5
1,3,5-Trimethylbenzene	04-MAY-07 18:52	0.112	0.37	v\v dag	J	1	0.5
1,3,5-Trimethylbenzene	04-MAY-07 18:52	0.55	1.8	ug/m³	J.	1 1	2.5
1,2,4-Trimethylbenzene	04-MAY-07 18:52	0.117	1.7	v/v dag		1	0.5
1,2,4-Trimethylbenzene	04-MAY-07 18:52	0.58	8.3	μα/m³		1	2.5
1,3-Dichlorobenzene	04-MAY-07 18:52	- 0.120	ND	v/v dag		1 1	0.5
1,3-Dichlorobenzene	04-MAY-07 18:52	0.72	ND	ug/m³		1	3.0
1,4-Dichlorobenzene	04-MAY-07 18:52	0.0987	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	04-MAY-07 18:52	0.59	ND	μg/m³		1	3.0
1,2-Dichlorobenzene	04-MAY-07 18:52	0.0851	ND	ppb v/v		1	0.5
1,2-Dichlorobenzene	04-MAY-07 18:52	0.51	ND	µg/m³		1	3.0
1,2,4-Trichlorobenzene	04-MAY-07 18:52	0.115	ND	ppb v/v		1	0.5
1,2,4-Trichlorobenzene	04-MAY-07 18:52	0.85	.ND	ug/m³		1	3.7
Hexachlorobutadiene	04-MAY-07 18:52	0.119	ND	ppb v/v		1	0.5
Hexachlorobutadiene	04-MAY-07 18:52	1.3	ND	µg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Oual.	Dilution
Isobutane(4.66)	04-MAY-07 18:52	3.1	v\v dag	J	1
Butane (4.94)	04-MAY-07 18:52	3.4	v\v dag	J	1 1
Ethanol (5.53)	04-MAY-07 18:52	4.3	v\v dag	J	1
Butane, 2-methyl-(5.86)	04-MAY-07 18:52	2.6	v\v dag	Ţ	1 1
Pentane (6.29)	04-MAY-07 18:52	4.6	v\v daa	J	1
Pentane, 2-methyl-(7.71)	04-MAY-07 18:52	2.7	ppb v/v	Ţ	1
CYCLOHEXANE, METHYL-(11.47)	04-MAY-07 18:52	3.8	v\v dag	Ţ	1
Unknown fluorocarbon(13.79)	04-MAY-07 18:52	16.	ppb v/v	J	1



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 10-MAY-07 10:49

Client Name..... Weston Solutions, Inc.

Client Ref Number ...: Not Provided

Sampling Site..... Behr VOC Plume PRP

Release Number....: 0055729

Date Received.....: 04-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared...... Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume....: Not Required

Client Sample Name: EPA-19-SS DCL Sample Name...: 07E02390 DCL Report Group..: 07E-0361-01

Matrix....: AIR

Date Sampled....: 02-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis.....: ☒ As Received ☐ Dried

DCL Analysis Group: G074801D Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-0 Column Type.....: DB-1

X Primary

☐ Confirmation

Propense	Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	POL
Propene	Propene	04-MAY-07 20:00	0.180			Zuu.		
Dichlorodifluoromethane						 	+	
Dichlorodifiluoromethane	Dichlorodifluoromethane							
Chloromethane	Dichlorodifluoromethane	.04-MAY-07 20:00				-		
Chloromethane	Chloromethane	04-MAY-07 20:00						
Freen 114	Chloromethane							
Freen 114	Freon 114							
Vinyl Chloride								
Vinyl Chloride		04-MAY-07 20:00						
1,3-Butadiene	Vinyl Chloride							
1.3 - Butadiene	1,3-Butadiene							
Bromomethane	1,3-Butadiene							
Bromomethane	Bromomethane							
Chloroethane	Bromomethane							
Chloroethane	Chloroethane							
Freon 11	Chloroethane							
Freon 11	Freon 11					-		
cis-1,2-Dichloroethene 04-MAY-07 20:00 0.102 ND ppb v/v 1 0.5 Cis-1,2-Dichloroethene 04-MAY-07 20:00 0.40 ND µg/m³ 1 2.0 Carbon Disulfide 04-MAY-07 20:00 0.111 0.26 ppb v/v J 1 0.5 Freon Disulfide 04-MAY-07 20:00 0.35 0.80 µg/m³ J 1 0.5 Freon 113 04-MAY-07 20:00 0.0950 ND ppb v/v J 1 0.5 Freon 113 04-MAY-07 20:00 0.73 ND µg/m³ J 1 0.5 Acetone 04-MAY-07 20:00 0.73 ND µg/m³ J 0.5 Acetone 04-MAY-07 20:00 0.27 39. µg/m³ J 1.2 Methylene Chloride 04-MAY-07 20:00 0.168 ND ppb v/v J 0.5 Methylene Chloride 04-MAY-07 20:00 0.58 ND µg/m³ J 1.7 Methylene Chloride	Freon 11							
Cis-1,2-Dichloroethene	cis-1,2-Dichloroethene	04-MAY-07 20:00						
Carbon Disulfide	cis-1,2-Dichloroethene	04-MAY-07 20:00						
Carbon Disulfide 04-MAY-07 20:00 0.35 0.80 μg/m³ J 1 1.6 Freon 113 04-MAY-07 20:00 0.0950 ND ppb v/v 1 0.5 Freon 113 04-MAY-07 20:00 0.73 ND μg/m³ 1 3.8 Acetone 04-MAY-07 20:00 0.113 17. ppb v/v 1 0.5 Acetone 04-MAY-07 20:00 0.27 39. μg/m³ 1 1.2 Methylene Chloride 04-MAY-07 20:00 0.168 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.58 ND μg/m³ 1 1.7 Methylene Chloride 04-MAY-07 20:00 0.58 ND μg/m³ 1 1.7 trans-1,2-Dichloroethene 04-MAY-07 20:00 0.118 ND ppb v/v 1 0.5 1,1-Dichloroethane 04-MAY-07 20:00 0.47 ND μg/m³ 1 2.0 Methyl t-Butyl Ether 04-MAY-07 20:00 0.147 <t< td=""><td></td><td>04-MAY-07 20:00</td><td></td><td></td><td></td><td>т т</td><td></td><td></td></t<>		04-MAY-07 20:00				т т		
Freon 113	Carbon Disulfide							
Freen 113						<u> </u>		
Acetone 04-MAY-07 20:00 0.113 17. ppb v/v 1 0.5 Acetone 04-MAY-07 20:00 0.27 39. µg/m³ 1 1.2 Methylene Chloride 04-MAY-07 20:00 0.168 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.58 ND µg/m³ 1 1.7 Methylene Chloride 04-MAY-07 20:00 0.58 ND µg/m³ 1 1.7 Methylene Chloride 04-MAY-07 20:00 0.58 ND µg/m³ 1 1.7 Methylene Chloride 04-MAY-07 20:00 0.118 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.118 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.118 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.118 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.118 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.118 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.116 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.116 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.116 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.147 ND µg/m³ 1 2.0 Methylene Chloride 04-MAY-07 20:00 0.133 ND µg/m³ 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.133 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.109 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.109 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.182 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.182 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.54 ND µg/m³ 1 1.8 Methylene Chloride 04-MAY-07 20:00 0.182 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.54 ND µg/m³ 1 1.5	Freon 113							
Acetone 04-MAY-07 20:00 0.27 39. µg/m³ 1 1.2 Methylene Chloride 04-MAY-07 20:00 0.168 ND ppb v/v 1 0.5 Methylene Chloride 04-MAY-07 20:00 0.58 ND µg/m³ 1 1.7 trans-1,2-Dichloroethene 04-MAY-07 20:00 0.118 ND ppb v/v 1 0.5 trans-1,2-Dichloroethene 04-MAY-07 20:00 0.47 ND µg/m³ 1 2.0 1,1-Dichloroethane 04-MAY-07 20:00 0.116 ND ppb v/v 1 0.5 1,1-Dichloroethane 04-MAY-07 20:00 0.47 ND µg/m³ 1 2.0 Methyl t-Butyl Ether 04-MAY-07 20:00 0.147 ND µg/m³ 1 2.0 Methyl t-Butyl Ether 04-MAY-07 20:00 0.147 ND µg/m³ 1 2.0 Methyl t-Butyl Ether 04-MAY-07 20:00 0.147 ND µg/m³ 1 2.0 Methyl t-Butyl Ether 04-MAY-07 20:00 0.53 ND µg/m³ 1 1.8 Vinyl Acetate 04-MAY-07 20:00 0.133 ND ppb v/v 1 0.5 Vinyl Acetate 04-MAY-07 20:00 0.47 ND µg/m³ 1 1.8 Vinyl Acetate 04-MAY-07 20:00 0.47 ND µg/m³ 1 1.8 1,1-Dichloroethene 04-MAY-07 20:00 0.47 ND µg/m³ 1 1.8 1,1-Dichloroethene 04-MAY-07 20:00 0.43 ND µg/m³ 1 1.8 2-Butanone 04-MAY-07 20:00 0.182 ND ppb v/v 1 0.5 Ethyl Acetate 04-MAY-07 20:00 0.54 ND µg/m³ 1 2.0 Ethyl Acetate 04-MAY-07 20:00 0.55 ND ppb v/v 1 0.5 Ethyl Acetate 04-MAY-07 20:00 0.55 ND ppb v/v 1 0.5 Ethyl Acetate 04-MAY-07 20:00 0.55 ND ppb v/v 1 0.5 Ethyl Acetate 04-MAY-07 20:00 0.55 ND ppb v/v 1 0.5 Ethyl Acetate 04-MAY-07 20:00 0.55 ND ppb v/v 1 0.5 Ethyl Acetate 04-MAY-07 20:00 0.55 ND ppb v/v 1 0.5 Ethyl Acetate 04-MAY-07 20:00 0.55 ND ppb v/v 1 0.5	Acetone							
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Fthyl Agotata 1 1.5								
Ethyl Acetate 04-MAY-07 20:00 0.273 ND ppb v/v 1 0.5 0	Ethyl Acetate	04-MAY-07 20:00	0.273	ND				



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 10-MAY-07 10:49 Client Name..... Weston Solutions, Inc.

DCL Sample Name...: 07E02390 DCL Report Group. .: 07E-0361-01

Analytical Results

Analyta	Date						
Analyte	Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Ethyl Acetate	04-MAY-07 20:00	0.98	ND	µg/m³		1	1.8
Hexane	04-MAY-07 20:00	0.121	2.2	ppb v/v		1	0.5
Hexane Chloroform	04-MAY-07 20:00	0.43	7.7	μg/m³		11	1.8
	04-MAY-07 20:00	0.115	0.94	ppb v/v		1	0.5
Chloroform	04-MAY-07 20:00	0.56	4.6	μg/m³		1	2.4
1,1,1-Trichloroethane	04-MAY-07 20:00	0.0725	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	04-MAY-07 20:00	0.40	ND	μg/m³		1	2.7
Carbon Tetrachloride	04-MAY-07 20:00	0.0657	ND	ppb v/v		1	0.5
Carbon Tetrachloride	04-MAY-07 20:00	0.41	ND	µg/m³		1	3.1
Benzene	04-MAY-07 20:00	0.102	0.61	ppb v/v		1	0.5
Benzene	04-MAY-07 20:00	0.33	1.9	μg/m³		1	1.6
Tetrahydrofuran	04-MAY-07 20:00	0.227	ND	v/v dqq		1	0.5
Tetrahydrofuran	04-MAY-07 20:00	0.67	ND	µg/m³		1	1.5
1,2-Dichloroethane	04-MAY-07 20:00	0.153	ND	ppb v/v	.~	1	0.5
1,2-Dichloroethane	04-MAY-07 20:00	0.62	ND	µg/m³		1	2.0
Cyclohexane	04-MAY-07 20:00	0.120	0.80	ppb v/v		1	0.5
Cyclohexane	04-MAY-07 20:00	0.41	2.8	µg/m³		1	1.7
Trichloroethene	04-MAY-07 20:00	0.120	0.53	ppb v/v		1	0.5
Trichloroethene	04-MAY-07 20:00	0.64	2.8	μg/m³		1	2.7
1,2-Dichloropropane	04-MAY-07 20:00	0.123	ND	ppb v/v		1	0.5
1,2-Dichloropropane	04-MAY-07 20:00	0.57	ND	ug/m³		1	2.3
Bromodichloromethane	04-MAY-07 20:00	0.0779	ND	v/v dqq		1	0.5
Bromodichloromethane	04-MAY-07 20:00	0.52	ND	ug/m³		1	3.3
Heptane	04-MAY-07 20:00	0.101	1.7	v\v dag		1 1	0.5
Heptane	04-MAY-07 20:00	0.41	6.9	nd/w ₃		1	2.0
cis-1,3-Dichloropropene	04-MAY-07 20:00	0.106	ND	v\v dqq		1 1	0.5
cis-1,3-Dichloropropene	04-MAY-07 20:00	0.48	ND	nd/w3		1	2.3
4-Methyl-2-Pentanone	04-MAY-07 20:00	0.116	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	04-MAY-07 20:00	0.48	ND	hd/w ₃		1	2.0
Toluene	04-MAY-07 20:00	0.115	2.6	ppb v/v		$\frac{1}{1}$	0.5
Toluene	04-MAY-07 20:00	0.43	9.8	nd/m3		1 .	1.9
trans-1,3-Dichloropropene	04-MAY-07 20:00	0.130	ND	v/v dgg		1	0.5
trans-1,3-Dichloropropene	04-MAY-07 20:00	0.59	ND	hd/m3		1	2.3
1,1,2-Trichloroethane	04-MAY-07 20:00	0.0972	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	04-MAY-07 20:00	0.53	ND	nd/m3		$\frac{1}{1}$	
Tetrachloroethene	04-MAY-07 20:00	0.0847	0.85	v/v dqq		1	2.7
Tetrachloroethene	04-MAY-07 20:00	0.57	5.8	nd/w ₃		1	0.5
2-Hexanone	04-MAY-07 20:00	0.136	ND ND	pg/m³		$\frac{1}{1}$	3.4
2-Hexanone	04-MAY-07 20:00	0.56	ND	hd/w ₃		1	0.5
Dibromochloromethane	04-MAY-07 20:00	0.0792	ND	y/v dag			2.0
Dibromochloromethane	04-MAY-07 20:00	0.67	ND	hd/w ₃		1	0.5
1,2-Dibromoethane	04-MAY-07 20:00	0.119	ND	ppb v/v		1	4.2
1,2-Dibromoethane	04-MAY-07 20:00	0.91	ND			1	0.5
Chlorobenzene	04-MAY-07 20:00	0.0882	ND ND	µg/m³		1	3.8
Chlorobenzene	04-MAY-07 20:00	0.41		ppb v/v		1	0.5
Ethylbenzene	04-MAY-07 20:00	0.150	ND	µg/m³		1	2.3
Ethylbenzene	04-MAY-07 20:00		0.99	v/v dqq		1	0.5
m,p-Xylene	04-MAY-07 20:00	0.65	4.3	hd/w3		1	2.2
m,p-Xylene	04-MAY-07 20:00		1.4	v/v dqq		1	1.0
o-Xylene		0.92	6.0	na/w3		1	4.3
o-Xylene	04-MAY-07 20:00	0.113	0.57	v/v dqq		1	0.5
Styrene	04-MAY-07 20:00	0.49	2.5	µg/m³		1	2.2
	04-MAY-07 20:00	0.0748	ND	v/v dag		1	0.5
Bromoform	04-MAY-07 20:00	0.32	ND	µg/m³		1	2.1
	04-MAY-07 20:00	0.0884	ND	ppb v/v		1	0.5
Bromoform 1,1,2,2-Tetrachloroethane	04-MAY-07 20:00	0.90	ND	µg/m³		1	5.1
	04-MAY-07 20:00	0.108	ND	v/v dqq		1	0.5
	04-MAI-07 20:00		1	77 4			
1,1,2,2-Tetrachloroethane	04-MAY-07 20:00 04-MAY-07 20:00 04-MAY-07 20:00	0.74	ND	µg/m³		1	3.4

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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 10-MAY-07 10:49 Client Name.....: Weston Solutions, Inc.

DCL Sample Name...: 07E02390 DCL Report Group..: 07E-0361-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Benzyl Chloride	04-MAY-07 20:00	0.70	ND.	µg/m³	~	1	2.6
4-Ethyl toluene	04-MAY-07 20:00	0.0983	ND	v\v dag		1 1	0.5
4-Ethyl toluene	04-MAY-07 20:00	0.48	ND	nd/w3		1	2.5
1,3,5-Trimethylbenzene	04-MAY-07 20:00	0.112	ND	ppb v/v		1	0.5
1,3,5-Trimethylbenzene	04-MAY-07 20:00	0.55	ND	µg/m³		1 1	2.5
1,2,4-Trimethylbenzene	04-MAY-07 20:00	0.117	0.28	v/v dag	J	1 1	0.5
1,2,4-Trimethylbenzene	04-MAY-07 20:00	0.58	1.4	µg/m³	J	1 1	2.5
1,3-Dichlorobenzene	04-MAY-07 20:00	0.120	ND	v/v dag		1 1	0.5
1,3-Dichlorobenzene	04-MAY-07 20:00	0.72	ND	ug/m³		1 1	3.0
1,4-Dichlorobenzene	04-MAY-07 20:00	0.0987	ND	v\v daa		1 1	0.5
1,4-Dichlorobenzene	04-MAY-07 20:00	0.59	ND	µg/m³		1 1	3.0
1,2-Dichlorobenzene	04-MAY-07 20:00	0.0851	ND	ppb v/v		1 1	0.5
1,2-Dichlorobenzene	04-MAY-07 20:00	0.51	ND	µg/m³		1 1	3.0
1,2,4-Trichlorobenzene	04-MAY-07-20:00	0.115	ND	ppb v/v		1	0.5
1,2,4-Trichlorobenzene	04-MAY-07 20:00	0.85	ND	ug/m³		1 1	3.7
Hexachlorobutadiene	04-MAY-07.20:00	0.119	ND	ppb v/v		1	0.5
Hexachlorobutadiene	04-MAY-07 20:00	1.3	, ND	µg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Ethanol(5.51)	04-MAY-07 20:00	10.	v\v daa	Ţ	1



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 10-MAY-07 10:49

Client Name..... : Weston Solutions, Inc.

Client Ref Number...: Not Provided

Sampling Site..... Behr VOC Plume PRP

Release Number..... 0055729

Date Received.....: 04-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared...... Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume...: Not Required

Client Sample Name: EPA-20-SS
DCL Sample Name...: 07E02391
DCL Report Group..: 07E-0361-01

Matrix..... AIR

Date Sampled....: 02-MAY-07 00:00

Reporting Units...: $ppb \ v/v$

Report Basis.....: ☒ As Received ☐ Dried

DCL Analysis Group: G074801D
Analysis Method. . : T0-15
Instrument Type. . : GC/MS V0
Instrument ID. . . : 5972-0
Column Type. . . . : DB-1

Analyte	Date Analyzed	MDL	Result	Units	0112.1	Dilutica	DOT
Propene	04-MAY-07 21:10	0.180	ND U.T		Qual.		PQL
Propene	04-MAY-07 21:10	0.180	ND UJ	 	 	1	0.5.
Dichlorodifluoromethane	04-MAY-07 21:10	0.0669	0.50	1-27,	J	1 1	0.86
Dichlorodifluoromethane	04-MAY-07 21:10	0.0003	2.5	ha/w3		1 1	0.5
Chloromethane	04-MAY-07 21:10	0.249	NDIJT	bbp A\A	J	1 1	2.5
Chloromethane	04-MAY-07 21:10	0.51	ND I		 	$\frac{1}{1}$	0.5
Freon 114	04-MAY-07 21:10	0.156	ND ND	ppb v/v	ļ		1.0
Freon 114	04-MAY-07 21:10	1.1	ND	nd/w ₃	ļ — —	$\frac{1}{1}$	0.5
Vinyl Chloride	04-MAY-07 21:10	0.301	NDIA	μα/μιν Vy daa		1 1	3,5
Vinyl Chloride	04-MAY-07 21:10	0.301	ND UJ		ļ		0.5
1,3-Butadiene	04-MAY-07 21:10	0.346	ND IJ	µg/m³		$\frac{1}{1}$	1.3
1,3-Butadiene	04-MAY-07 21:10	0.340	ND W	ppb v/v ug/m³		$\begin{array}{c c} & 1 \\ \hline & 1 \end{array}$	0.5
Bromomethane	04-MAY-07 21:10	0.215	NDIX	ppb v/v		 	1.1
Bromomethane	04-MAY-07 21:10	0.83	ND UJ	na\w ₃			0.5
Chloroethane	04-MAY-07 21:10	0.388	ND ID	v/v dag		1 1	1.9
Chloroethane	04-MAY-07 21:10	1.0	ND 12	ha/w ₃			0.5
Freon 11	04-MAY-07 21:10	0.0921	0.19	v\v daa	·	1	1.3 -
Freon 11	04-MAY-07 21:10	0.0921	1.1	ha/w ₃	J	1 1	0.5
cis-1,2-Dichloroethene	04-MAY-07 21:10	0.102	ND		J	1 1	2.8
cis-1,2-Dichloroethene	04-MAY-07 21:10	0.40	ND	ppb v/v		1 1	0.5
Carbon Disulfide	04-MAY-07 21:10	0.40	0.32	μg/m³. ppb v/v	-	1	2.0
Carbon Disulfide	04-MAY-07 21:10	0.35	1.0	ha\w ₃	J	1 1	0.5
Freon 113	04-MAY-07 21:10	0.0950	ND	hg/m,	J	1	1.6
Freon 113	04-MAY-07 21:10	0.0330	ND	nd/w ₃		1	0.5
Acetone	04-MAY-07 21:10	0.113	6.9	ppb v/v		1 1	3.8
Acetone	04-MAY-07 21:10	0.27	16.	nd/w ₃		1	0.5
Methylene Chloride	04-MAY-07 21:10	0.168	0.24	ppb v/v		1 1	1.2
Methylene Chloride	04-MAY-07 21:10	0.58	0.24		J	1	0.5
trans-1,2-Dichloroethene	04-MAY-07 21:10	0.118	ND	μg/m³ ν/ν daa	J	1 .	1.7
trans-1,2-Dichloroethene	04-MAY-07 21:10	0.47	ND		***********	1 1	0.5
1,1-Dichloroethane	04-MAY-07 21:10	0.116	ND	µg/m³		1 1	2.0
1,1-Dichloroethane	04-MAY-07 21:10	0.47	ND ND	ha/w³		1	0.5
Methyl t-Butyl Ether	04-MAY-07 21:10	0.147	ND ND			1	2.0
Methyl t-Butyl Ether	04-MAY-07 21:10	0.53	ND	ppb v/v		1	0.5
Vinyl Acetate	04-MAY-07 21:10	0.133	ND	µg/m³		1 1	1.8
Vinyl Acetate	04-MAY-07 21:10	0.133	ND ND	ppb v/v		1	0.5
1,1-Dichloroethene	04-MAY-07 21:10	0.109	ND ND	µg/m³		1	1.8
1,1-Dichloroethene	04-MAY-07 21:10	0.109		ppb v/v		1	0.5
2-Butanone	04-MAY-07 21:10	0.43	ND	µg/m³		1	2.0
2-Butanone	04-MAY-07 21:10	0.182	ND ND	ppb v/v		1	0.5
Ethyl Acetate	04-MAY-07 21:10	0.34		μg/m³		1	1.5
	104-MAI-0/ 21:10	0.213	ND	ppb v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 10-MAY-07 10:49 Client Name..... Weston Solutions, Inc.

DCL Sample Name...: 07E02391 DCL Report Group..: 07E-0361-01

Ethyl Acetate	Analysta	Date			T .	T	Т	
Hexane				Result	Units	Qual.	Dilution	PQL
Hexage		04-MAY-07 21:10					1	1.8
Chicorform							. 1	0.5
Chicoform							1	1.8
1.1.1-Trichloroethane							1	0.5
1,1-Trichloroethane							1 1	2.4
Carbon Tetrachloride	1 1 1 Thickleroethane						1	0.5
Carbon Tetrachloride	Carbon Maturalla de la contra del contra de la contra del contra de la contra del contra de la contra del contra del contra de la contr					<u> </u>		2.7
Benzene	Carbon Metrochloride						1	0.5
Benzene		04-MAY-07 21:10						3.1
Tetrahydrofuran		04-MAY-07 21:10						0.5
Tetrahydrofuran		04-MAY-07 21:10				J		1.6
1,2-Dichloroethane								0.5
1,2-Dichloroethane								1.5
Cyclohexane	1 2-Dightoroothans							0.5
Cyclohexane								2.0
Trichloroethene								0.5
Trichloroethene								1.7
1,2-Dichloropropane								0.5
1,2-Dichloropropane		04-MAY 07 21 10						2.7
Bromodichloromethane	1.2-Dichloropropage							0.5
Bromodichloromethane	Bromodichloromethano							2.3
Heptane	Bromodichloromethane							0.5
Heptane								3.3
Cis-1,3-Dichloropropene								0.5
Cis-1,3-Dichloropropene								2.0
A-methyl-2-Pentanone	cis-1.3-Dichloropropene							0.5
A-methyl-2-Pentanone	4-Methyl-2-Pentanone							2.3
Toluene	4-Methyl-2-Pentanone							0.5
Toluene								2.0
trans-1,3-Dichloropropene 04-MAY-07 21:10 0.130 ND ppb v/v 1 0.130 ND ppb v/v <td>Toluene</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.5</td>	Toluene							0.5
trans-1, 3-bichloropropene 04-MAY-07 21:10 0.59 ND µg/m³ 1 2. 1,1,2-Trichloroethane 04-MAY-07 21:10 0.0972 ND ppb v/v 1 0. Tetrachloroethane 04-MAY-07 21:10 0.53 ND µg/m³ 1 2. Tetrachloroethene 04-MAY-07 21:10 0.0847 0.88 ppb v/v 1 0. 2-Hexanone 04-MAY-07 21:10 0.57 6.0 µg/m³ 1 3. 2-Hexanone 04-MAY-07 21:10 0.56 ND µg/m³ 1 3. 2-Hexanone 04-MAY-07 21:10 0.56 ND µg/m³ 1 2. 2-Hexanone 04-MAY-07 21:10 0.56 ND µg/m³ 1 2. 2-Hexanone 04-MAY-07 21:10 0.56 ND µg/m³ 1 2. Dibromochloromethane 04-MAY-07 21:10 0.67 ND µg/m³ 1	trans-1,3-Dichloropropene	04-MAY-07 21:10						1.9
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	trans-1,3-Dichloropropene							0.5
1,1,2-Trichloroethane	1,1,2-Trichloroethane							2.3
Tetrachloroethene $04-MAY-07$ $21:10$ 0.0847 0.88 ppb v/v 1 0.084 1.09								
Tetrachloroethene 04-MAY-07 21:10 0.57 6.0 µg/m³ 1 3. 2-Hexanone 04-MAY-07 21:10 0.136 ND ppb v/v 1 0. 2-Hexanone 04-MAY-07 21:10 0.56 ND µg/m³ 1 0. 2-Hexanone 04-MAY-07 21:10 0.56 ND µg/m³ 1 0. 2-Hexanone 04-MAY-07 21:10 0.0792 ND ppb v/v 1 0. Dibromochloromethane 04-MAY-07 21:10 0.0792 ND ppb v/v 1 0. Dibromochloromethane 04-MAY-07 21:10 0.67 ND µg/m³ 1 0. 1,2-Dibromoethane 04-MAY-07 21:10 0.119 ND ppb v/v 1 0. 1,2-Dibromoethane 04-MAY-07 21:10 0.91 ND µg/m³ 1 0. Chlorobenzene 04-MAY-07 21:10 0.91 ND µg/m³ 1 0. Chlorobenzene 04-MAY-07 21:10 0.0882 ND ppb v/v 1 0. Chlorobenzene 04-MAY-07 21:10 0.41 ND µg/m³ 1 0. Ethylbenzene 04-MAY-07 21:10 0.150 0.62 ppb v/v 1 0. Ethylbenzene 04-MAY-07 21:10 0.55 2.7 µg/m³ 1 2. Ethylbenzene 04-MAY-07 21:10 0.213 0.93 ppb v/v J 1 0. En m,p-Xylene 04-MAY-07 21:10 0.213 0.93 ppb v/v J 1 1. En m,p-Xylene 04-MAY-07 21:10 0.113 0.36 ppb v/v J 1 0. Extylene 04-MAY-07 21:10 0.113 0.36 ppb v/v J 1 0. Extyrene 04-MAY-07 21:10 0.0748 ND ppb v/v J 1 0. Extyrene 04-MAY-07 21:10 0.32 ND µg/m³ J 1 2. Extyrene 04-MAY-07 21:10 0.0884 ND ppb v/v J 1 0. Extreme 04-MAY-07 21:10 0.0884 ND ppb v/v J 1 0. Extreme 04-MAY-07 21:10 0.0884 ND ppb v/v J 1 0. Extreme 04-MAY-07 21:10 0.0884 ND ppb v/v J 1 0. Extreme 04-MAY-07 21:10 0.0884 ND ppb v/v J 1 0.	Tetrachloroethene	04-MAY-07 21:10						
2-Hexanone		04-MAY-07 21:10						
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2-Hexanone							
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		04-MAY-07 21:10						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Dibromochloromethane							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Dibromochloromethane	04-MAY-07 21:10						
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1,2-Dibromoethane							
Chlorobenzene 04-MAY-07 21:10 0.0882 ND ppb v/v ND ppb v/v 1 0. Chlorobenzene 04-MAY-07 21:10 0.41 ND ug/m³ 1 2. 1 0. Ethylbenzene 04-MAY-07 21:10 0.150 0.62 ppb v/v 1 0. Ethylbenzene 04-MAY-07 21:10 0.65 2.7 ug/m³ 1 2. m,p-Xylene 04-MAY-07 21:10 0.213 0.93 ppb v/v J 1 1. m,p-Xylene 04-MAY-07 21:10 0.92 4.0 ug/m³ J 1 4. o-Xylene 04-MAY-07 21:10 0.113 0.36 ppb v/v J 1 0. o-Xylene 04-MAY-07 21:10 0.49 1.6 ug/m³ J 1 2. Styrene 04-MAY-07 21:10 0.0748 ND ppb v/v J 1 0. Styrene 04-MAY-07 21:10 0.32 ND ug/m³ J 1 2. Bromoform 04-MAY-07 21:10 0.0884 ND ppb v/v J 0. Bromoform 04-MAY-07 21:10 0.0884 ND ppb v/v J 0.	1,2-Dibromoethane	04-MAY-07 21:10						
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chlorobenzene							
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$								
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				2.7			- 1 +	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		04-MAY-07 21:10				, , 		1.0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		04-MAY-07 21:10						4.3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		04-MAY-07 21:10						0.5
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		04-MAY-07 21:10						2.2
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		04-MAY-07 21:10						0.5
Bromoform 04-MAY-07 21:10 0.0884 ND ppb v/v 1 0.		04-MAY-07 21:10						
Promoform.		04-MAY-07 21:10						
104 MAI-07 21:101 0.90 ND NG/m3 1 1 5	Bromoform	04-MAY-07 21:10	0.90	ND	hd/w ₃			5.1
1,1,2,2-Tetrachloroethane 04-MAY-07 21:10 0.108 ND ppb v/v 1 0.108	1,1,2,2-Tetrachloroethane	04-MAY-07 21:10						0.5
$1,1,2,2$ -Tetrachloroethane 04 -MAY-07 $21:10$ 0.74 ND ug/m^3 1 3	1,1,2,2-Tetrachloroethane		0.74					3.4
Benzyl Chloride	senzyl Chloride	04-MAY-07 21:10	0.136					0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 10-MAY-07 10:49
Client Name....: Weston Solutions, Inc.

DCL Sample Name...: 07E02391
DCL Report Group..: 07E-0361-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Oual.	Dilution	PQL
Benzyl Chloride	04-MAY-07 21:10	0.70	ND	µg/m³	~	1	2.6
4-Ethyl toluene	04-MAY-07 21:10	0.0983	ND	ppb v/v		1 1	0.5
4-Ethyl toluene	04-MAY-07 21:10	0.48	ND	ug/m³		1 1	2.5
1,3,5-Trimethylbenzene	04-MAY-07 21:10	0.112	0.12	v\v dqq	J	1 1	0.5
1,3,5-Trimethylbenzene	04-MAY-07 21:10	0.55	0.59	µg/m³	J	1 1	2.5
1,2,4-Trimethylbenzene	04-MAY-07 21:10	0.117	0.48	ppb v/v	J	1 1	0.5
1,2,4-Trimethylbenzene	04-MAY-07 21:10	0.58	2.3	na/w3	J	 	2.5
1,3-Dichlorobenzene	04-MAY-07 21:10	0.120	ND	v\v dag		 	0.5
1,3-Dichlorobenzene	04-MAY-07 21:10	0.72	ND	nd/w3	-	1	3.0
1,4-Dichlorobenzene	04-MAY-07 21:10	0.0987	0.16	v\v dag	J	 	0.5
1,4-Dichlorobenzene	04-MAY-07 21:10	0.59	0.97	hd/w ₃	J	1 -1	3.0
1,2-Dichlorobenzene	04-MAY-07 21:10	0.0851	ND	v/v dag			
1,2-Dichlorobenzene	04-MAY-07 21:10	0.51	ND	nd/w3		+ +	0.5
1,2,4-Trichlorobenzene	04-MAY-07 21:10	0.115	ND	ppb v/v		1	3.0
1,2,4-Trichlorobenzene	04-MAY-07 21:10	0.85	ND	hd/w ₃		1.	0.5
Hexachlorobutadiene	04-MAY-07 21:10	0.119	ND	v\v dag		1	3.7
Hexachlorobutadiene	04-MAY-07 21:10	1.3	ND	hd/w ₃		1	0.5 5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Unknown fluorocarbon(4.54)	04-MAY-07 21:10	2.2	v\v dag	J	1
Isobutane(4.65)	04-MAY-07 21:10	3.7	v/v dag	J	1
Butane (4.93)	04-MAY-07 21:10	2.4	ppb v/v	ī	1 1
Ethanol(5.48)	04-MAY-07 21:10	4.8	v\v dag	Ţ	1 1
Unknown fluorocarbon(13.78)	04-MAY-07 21:10	25.	ppb v/v	J	1



SAMPLE ANALYSIS DATA SHEET

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Date Printed....: 10-MAY-07 10:49

Client Name..... : Weston Solutions, Inc.

Client Ref Number...: Not Provided

Sampling Site..... Behr VOC Plume PRP

Release Number....: 0055729

Date Received.....: 04-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared..... Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume...: Not Required

Client Sample Name: EPA-21-SS DCL Sample Name...: 07E02392 DCL Report Group..: 07E-0361-01

Matrix..... AIR

Date Sampled....: 02-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis....: ☒ As Received ☐ Dried

DCL Analysis Group: G074801D Analysis Method...: T0-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-0 Column Type..... DB-1

X Primary ☐ Confirmation

Analyte	Date Analyzed	MDL	Result	Units	Oual.	Dilution	POL
Propene	04-MAY-07 22:21	0.180	NDUJ		guar.	1	0.5
Propene	04-MAY-07 22:21	0.31	ND UJ		 	1	
Dichlorodifluoromethane	04-MAY-07 22:21	0.0669	0.49	ppb v/v	J	$\frac{1}{1}$	0.86
Dichlorodifluoromethane	04-MAY-07 22:21	0.33	2.4	na/w ₃	J		0.5
Chloromethane	04-MAY-07 22:21	0.249	ND 17	v/v dag	 	1	2.5
Chloromethane	04-MAY-07 22:21	0.51	ND UJ		 	$\frac{1}{1}$	0.5
Freon 114	04-MAY-07 22:21	0.156	ND	ppb v/v	·	$\frac{1}{1}$	1.0
Freon 114	04-MAY-07 22:21	1.1	ND	na/w ₃			0.5
Vinyl Chloride	04-MAY-07 22:21	0.301	NDVJ	ppb v/v	 	1	3.5
Vinyl Chloride	04-MAY-07 22:21	0.77	ND W			1 1	0.5
1,3-Butadiene	04-MAY-07 22:21	0.346	ND UT	μg/m³		1	1.3
1,3-Butadiene	04-MAY-07 22:21	0.77	ND W	nd/w ₃		1	0.5
Bromomethane	04-MAY-07 22:21	0.215				1	1.1
Bromomethane	04-MAY-07 22:21	0.83	V V			1	0.5
Chloroethane	04-MAY-07 22:21	0.388	ND UJ	µg/m³		1	1.9
Chloroethane	04-MAY-07 22:21	1.0	ND W	ppb v/v		1	0.5
Freon 11	04-MAY-07 22:21	0.0921		μg/m³		1	1.3 -
Freon 11	04-MAY-07 22:21	0.0921	0.22 1.2	ppb v/v	J	1	0.5
cis-1,2-Dichloroethene	04-MAY-07 22:21	0.32		ug/m³	J	1	2.8
cis-1,2-Dichloroethene	04-MAY-07 22:21		ND	v\v dqq		1	0.5
Carbon Disulfide	04-MAY-07 22:21	0.40	ND	μg/m³		1	2.0
Carbon Dïsulfide	04-MAY-07 22:21	0.111	ND	v\v dag		1	0.5
Freon 113	04-MAY-07 22:21	0.35	ND :	μg/m³		1	1.6
Freon 113	04-MAY-07 22:21	0.0950	ND	v/v dqq		1	0.5
Acetone	04-MAY-07 22:21	0.73	ND	ug/m³		1	3.8
Acetone	04-MAY-07 22:21	0.113	5.8	v/v dqq		1	0.5
Methylene Chloride		0.27	14.	µg/m³		1	1.2
Methylene Chloride	04-MAY-07 22:21	0.168	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	04-MAY-07 22:21	0.58	ND	μg/m³		1	1.7
trans-1,2-Dichloroethene	04-MAY-07 22:21	0.118	ND	ppb v/v		1	0.5
1,1-Dichloroethane	04-MAY-07 22:21	0.47	ND	μg/m³		1	2.0
1,1-Dichloroethane	04-MAY-07 22:21	0.116	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	04-MAY-07 22:21	0.47	ND	μg/m³		1	2.0
Methyl t-Butyl Ether Methyl t-Butyl Ether	04-MAY-07 22:21	0.147	ND	ppb v/v		1	0.5
Vinyl Acetate	04-MAY-07 22:21	0.53	ND	μg/m³		1	1.8
Vinyl Acetate Vinyl Acetate	04-MAY-07 22:21	0.133	ND	ppb v/v		1	0.5
1,1-Dichloroethene	04-MAY-07 22:21	0.47	ND	μg/m³		1	1.8
1,1-Dichioroethene 1,1-Dichloroethene	04-MAY-07 22:21	0.109	ND	v\v dqq		1	0.5
2 Putanana	04-MAY+07 22:21	0.43	ND	µg/m³		1	2.0
2-Butanone	04-MAY-07 22:21	0.182	ND	ppb v/v		1	0.5
2-Butanone	04-MAY-07 22:21	0.54	ND	µg/m³		1	1.5
Ethyl Acetate	04-MAY-07 22:21	0.273	ND	ppb v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 10-MAY-07 10:49 Client Name.....: Weston Solutions, Inc.

DCL Sample Name...: 07E02392 DCL Report Group..: 07E-0361-01

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Ethyl Acetate	04-MAY-07 22:21	0.98	ND	ug/m³		1	1.8
Hexane	04-MAY-07 22:21	0.121	1.0	ppb v/v		$\frac{1}{1}$	0.5
Hexane	04-MAY-07 22:21	0.43	3.6 .	ug/m³		1	1.8
Chloroform	04-MAY-07 22:21	0.115	ND	ppb v/v		1 1	0.5
Chloroform	04-MAY-07 22:21	0.56	ND	ug/m³		1	2.4
1,1,1-Trichloroethane	04-MAY-07 22:21	0.0725	ND	ppb v/v		1 1	0.5
1,1,1-Trichloroethane	04-MAY-07 22:21	0.40	ND	µq/m³		1	2.7
Carbon Tetrachloride	04-MAY-07 22:21	0.0657	ND	ppb v/v		1	0.5
Carbon Tetrachloride	04-MAY-07 22:21	0.41	ND	μg/m³		1	3.1
Benzene	04-MAY-07 22:21	0.102	0.32	ppb v/v	J	1	0.5
Benzene	04-MAY-07 22:21	0.33	1.0	µg/m³	J	1	1.6
Tetrahydrofuran	04-MAY-07 22:21	0.227	ND	v/v dqq		1	0.5
Tetrahydrofuran	04-MAY-07 22:21	0.67	ND	μg/m³		1	1.5
1,2-Dichloroethane	04-MAY-07 22:21	0.153	ND	y\v dqq		1	0.5
1,2-Dichloroethane	04-MAY-07 22:21	0.62	ND	µg/m³		1	2.0
Cyclohexane Cyclohexane	04-MAY-07 22:21	0.120	0.51	ppb v/v		1	0.5
Trichloroethene	04-MAY-07 22:21	0.41	1.7	μg/m³		1	1.7
Trichloroethene	04-MAY-07 22:21	0.120	ND	ppb v/v		1	0.5
1,2-Dichloropropane	04-MAY-07 22:21	0.64	ND	µg/m³		1	2.7
1,2-Dichloropropane	04-MAY-07 22:21	0.123	ND	ppb v/v		1	0.5
Bromodichloromethane	04-MAY-07 22:21	0.57	ND	μg/m³		1	2.3
Bromodichloromethane	04-MAY-07 22:21	0.0779	ND	ppb v/v		1	0.5
Heptane	04-MAY-07 22:21	0.52	ND	μg/m³·		1	3.3
Heptane	04-MAY-07 22:21	0.101	0.86	ppb v/v		1	0.5
cis-1,3-Dichloropropene	04-MAY-07 22:21	0.41	3.5	µg/m³		1	2.0
cis-1,3-Dichloropropene	04-MAY-07 22:21 04-MAY-07 22:21	0.106	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	04-MAY-07 22:21 04-MAY-07 22:21	0.48	ND	µg/m³		1	2.3
4-Methyl-2-Pentanone	04-MAY-07 22:21 04-MAY-07 22:21	0.116	ND	ppb v/v		1.	0.5
Toluene	04-MAY-07 22:21	0.48	ND 1 2	ug/m³			2.0
Toluene	04-MAY-07 22:21	0.115	1.2	v/v dqq		1	0.5
trans-1,3-Dichloropropene	04-MAY-07 22:21	0.130	4.6	μg/m³		1	1.9
trans-1,3-Dichloropropene	04-MAY-07 22:21	0.130	ND	v/v dqq		1 1	0.5
1,1,2-Trichloroethane	04-MAY-07 22:21	0.0972	ND ND	ug/m³		1	2.3
1,1,2-Trichloroethane	04-MAY-07 22:21	0.0372	ND	ppb v/v		1	0.5
Tetrachloroethene	04-MAY-07 22:21	0.0847	0.15	μg/m ³		1	2.7
Tetrachloroethene	04-MAY-07 22:21	0.57	1.0	ppb v/v	J	1	0.5
2-Hexanone	04-MAY-07 22:21	0.136	ND ND	μg/m³ v/v dqq	J	1	3.4
2-Hexanone	04-MAY-07 22:21	0.56	ND	hd/w ₃		$\frac{1}{1}$	0.5
Dibromochloromethane	04-MAY-07 22:21	0:0792	ND	ppb v/v		1	2.0
Dibromochloromethane	04-MAY-07 22:21	0.67	ND	hd/w ₃		1	0.5
1,2-Dibromoethane	04-MAY-07 22:21	0.119	ND	ppb v/v		$\frac{1}{1}$	4.2
l,2-Dibromoethane	04-MAY-07 22:21	0.91	ND	hd/w ₃		$\frac{1}{1}$	0.5
Chlorobenzene	04-MAY-07 22:21	0.0882	ND	ppb v/v		1 1	3.8
Chlorobenzene	04-MAY-07 22:21	0.41	ND	nd/w ₃		1	0.5
Ethylbenzene	04-MAY-07 22:21	0.150	0.50	v\v dqq		1	2.3
Ethylbenzene	04-MAY-07 22:21	0.65	2.2	hd/w ₃		$\frac{1}{1}$	0.5
n,p-Xylene	04-MAY-07 22:21	0.213	0.94	ppb v/v	J	$\frac{1}{1}$	2.2
n,p-Xylene	04-MAY-07 22:21	0.92	4.1	hd/w ₃	J	1	1.0
-Xylene	04-MAY-07 22:21	0.113	0.50	ppb v/v	J	1 .	4.3
-Xylene	04-MAY-07 22:21	0.49	2.2	ug/m³	J	$\frac{1}{1}$	0.5
Styrene	04-MAY-07 22:21	0.0748	ND	ppb v/v		$\frac{1}{1}$	2.2
Styrene	04-MAY-07 22:21	0.32	ND	hd/m ₃			0.5
3romoform -	04-MAY-07 22:21	0.0884	ND	ppb v/v		$\frac{1}{1}$	2.1
romoform	04-MAY-07 22:21	0.90	ND .	had/w ₃		$-\frac{1}{1}$	0.5
,1,2,2-Tetrachloroethane	04-MAY-07 22:21	0.108	ND	ppb v/v		$\frac{1}{1}$	5.1
,1,2,2-Tetrachloroethane	04-MAY-07 22:21	0.74	ND	hd/w ₃			0.5
Senzyl Chloride	04-MAY-07 22:21	0.136	ND	ppb v/v		. 1	3.4



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 10-MAY-07 10:49 Client Name..... Weston Solutions, Inc.

DCL Sample Name...: 07E02392 DCL Report Group..: 07E-0361-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Benzyl Chloride	04-MAY-07 22:21	0.70	ND	ug/m³		1	2.6
4-Ethyl toluene	04-MAY-07 22:21	0.0983	ND	v/v dgg		1 1	0.5
4-Ethyl toluene	04-MAY-07 22:21	0.48	ND	nd/m3		1 1	2.5
1,3,5-Trimethylbenzene	04-MAY-07 22:21	0.112	0.15	v\v dqq	J	1 1	0.5
1,3,5-Trimethylbenzene	04-MAY-07 22:21	0.55	0.76	ug/m³	J	1 1	2.5
1,2,4-Trimethylbenzene	04-MAY-07 22:21	0.117	0.64	ppb v/v	<u> </u>	1 1	0.5
1,2,4-Trimethylbenzene	04-MAY-07 22:21	0.58	3.2	µg/m³		1 1	2.5
1,3-Dichlorobenzene	04-MAY-07 22:21	0.120	ND	ppb v/v		1 1	0.5
1,3-Dichlorobenzene	04-MAY-07 22:21	0.72	ND	nd/m3		 	3.0
1,4-Dichlorobenzene	04-MAY-07 22:21	0.0987	ND	v\v daa		1 1	0.5
1,4-Dichlorobenzene	04-MAY-07 22:21	0.59	ND	na/w3		1 1	3.0
1,2-Dichlorobenzene	04-MAY-07 22:21	0.0851	ND	v\v dag		1 1	0.5
1,2-Dichlorobenzene	04-MAY-07 22:21	0.51	ND	µg/m³		 	3:0
1,2,4-Trichlorobenzene	04-MAY-07 22:21	0.115	ND	v\v dag		 	0.5
1,2,4-Trichlorobenzene	04-MAY-07 22:21	0.85	ND	nd/w3		 	3.7
Hexachlorobutadiene	04-MAY-07 22:21	0.119	ND	ppb v/v		 	0.5
Hexachlorobutadiene	04-MAY-07 22:21	1.3	ND	nd/w3.	·	+ + +	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Unknown fluorocarbon(4.55)	04-MAY-07 22:21	2.7	v\v daa	J	1
Isobutane(4.65)	04-MAY-07 22:21	2.3	v\v dag	J	1 1
Ethanol (5.46)	04-MAY-07 22:21	5.6	v\v dag	ıт	1 1
Unknown fluorocarbon(13.78)	04-MAY-07 22:21	7.9	ppb v/v	J	1 1

BEHR VOC PLUME SITE DAYTON, OHIO DATA VALIDATION REPORT

Date: June 5, 2007

Laboratory: DataChem Laboratories, Inc. (DataChem), Salt Lake City, Utah

Laboratory SDG #/Set ID #: BEHR/07E-0367-01

Data Validation Performed By: Lisa Graczyk, Dynamac Corporation (Dynamac),

subcontractor to Weston Solutions, Inc. (Weston)

Weston Analytical Work Order #/TDD #: 20405.016.003.0121.00/S05-0612-007

This data validation report has been prepared by Dynamac, a Weston subcontractor, under the START III Region V contract. This report documents the data validation of air samples collected for the Behr VOC Plume Site that were analyzed for Volatile Organic Compounds (VOC) by U.S. Environmental Protection Agency (U.S. EPA) method TO-15. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Organic Data Review" dated October 1999.

VOCs in Air by U.S. EPA Method TO15

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

<u>Samples</u>	Lab ID	<u>Matrix</u>	<u>Date</u> <u>Collected</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>
EPA-22-IA	07E02430	Air	05/03/07	NA	05/08/07
EPA-23-SS	07E02431	Air	05/03/07	NA	05/08/07
EPA-24-SS	07E02432	Air	05/03/07	NA	05/08/07
EPA-25-SS	07E02433	Air	05/03/07	NA	05/10/07

2. Holding Times

The samples were analyzed within the required holding time limit of 30 days from sample collection in accordance with method TO-15.

3. Instrument Performance Check

The instrument performance check using bromofluorobenzene (BFB) was performed within the 24-hour period for which the samples were analyzed as required for method TO-15. The BFB standard met the ion abundance criteria specified in method TO-15.

Laboratory WO #: BEHR/07E-0367-01

4. <u>Initial Calibration</u>

For the initial calibration, the percent relative standard deviations (%RSD) for all compounds were less than 30 percent. The average relative response factors were all greater than 0.05.

5. <u>Continuing Calibration</u>

The percent differences (%D) in the continuing calibration standard for all target compounds were within the control limit of less than or equal to 25 percent except for as follows.

In the calibration standard associated with sample EPA-25-SS, the following compounds were outside the quality control limits: dichlorodifluoromethane; tetrahydrofuran; 1,1,1-trichloroethane; carbon tetrachloride; and hexachlorobutadiene. In sample EPA-25-SS, positive results for these compounds were flagged "J" and the quantitation limits for non-detected results were flagged "UJ" as estimated.

6. Blanks

The method blank associated with the samples was free of target compound contamination except for acetone which was detected at 0.35 parts per billion. Because acetone was detected at more than 10 times the blank concentration in the samples, no qualifications were required.

7. Surrogates

The 4-bromofluorobenzene surrogate spike recoveries in the samples were within the quality control (QC) limits.

8. <u>Laboratory Control Sample (LCS)</u>

All LCS recoveries and LCS duplicate recoveries were within the laboratory-established QC limits of 70 to 130 percent recovery except for 1,2,4-trichlorobenzene and hexachlorobutadiene which were detected low in the LCS. The quantitation limits for these two compounds were flagged "UJ" as estimated in the samples.

9. <u>Internal Standard Results</u>

The internal standard area counts in the samples were within -50 percent to +100 percent of the area counts of the associated continuing calibration standard. The retention time of

Data Validation Report Behr VOC Plume Site DataChem Laboratories

Laboratory WO #: BEHR/07E-0367-01

the internal standards did not vary more than ± 30 seconds from the retention time of the associated continuing calibration standard.

10. <u>Target Compound Identification</u>

A spot-check was performed of the mass spectra for detected compounds. The spot-check confirmed compound identification. DataChem appropriately flagged those results detected above the method detection limit but below the quantitation limit as "J" or estimated.

Data Validation Report Behr VOC Plume Site DataChem Laboratories Laboratory WO #: BEHR/07E-0367-01

ATTACHMENT

DATACHEM LABORATORIES RESULTS SUMMARY



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 14-MAY-07 11:18

Client Name..... : Weston Solutions, Inc.

Client Ref Number...: Not Provided

Sampling Site..... Behr VOC Plume PRP

Release Number....: 055729

Date Received.....: 07-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared.....: Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume...: Not Required

Client Sample Name: EPA-22-IA DCL Sample Name...: 07E02430 DCL Report Group..: 07E-0367-01

Matrix.... AIR

Date Sampled....: 03-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis....: ☒ As Received ☐ Dried

DCL Analysis Group: G074801F Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-W $\texttt{Column Type.} \ldots : \texttt{DB-1}$

> X Primary ☐ Confirmation

Analyte	Date Analyzed	MDL	Result	Units	Oual.	Dilution	DOL
Propene	08-MAY-07 17:31	0.180	ND	ppb v/v	Qual.		PQL
Propene	08-MAY-07 17:31	0.31	ND		ļ	1 1	0.5
Dichlorodifluoromethane	08-MAY-07 17:31	0.0669	0.54	ppb v/v	 	$\frac{1}{1}$	0.86
Dichlorodifluoromethane	08-MAY-07 17:31	0.33	2.7	ha/w ₃	 	1 1	0.5
Chloromethane	08-MAY-07 17:31	0.249	ND	pg/m³	ļ	1 1	2.5
Chloromethane	08-MAY-07 17:31	0.51	ND	hd/w ₃	 	1 1	0.5
Freon 114	08-MAY-07 17:31	0.156	ND	pg/m³	 	1 1	1.0
Freon 114	08-MAY-07 17:31	1.1	ND	ha/w ₃	 	1 1	0.5
Vinyl Chloride	08-MAY-07 17:31	0.301	ND	pg/m³	 	1 1	3.5
Vinyl Chloride	08-MAY-07 17:31	0.77	ND	ha/w ₃	ļ	1 1	0.5
1,3-Butadiene	08-MAY-07 17:31	0.346	ND	v\v daa		1	1.3
1,3-Butadiene	08-MAY-07 17:31	0.77	ND	hd/w ₃		1	0.5
Bromomethane	08-MAY-07 17:31	0.215	ND	ppb v/v		1	1.1
Bromomethane	08-MAY-07 17:31	0.83	ND	ha/w ₃		1	0.5
Chloroethane	08-MAY-07 17:31	0.388	ND	μαν ν/ν		1	1.9
Chloroethane	08-MAY-07 17:31	1.0	ND	hd/w ₃		1 1	0.5
Freon 11	08-MAY-07 17:31	0.0921	0.27	bbp n\n	-	1	1.3 -
Freon 11	08-MAY-07 17:31	0.52	1.5		J	1	0.5
cis-1,2-Dichloroethene	08-MAY-07 17:31	0.102	ND ND	μg/m³	J	1	2.8
cis-1,2-Dichloroethene	08-MAY-07 17:31	0.40	ND			1	0.5
Carbon Disulfide	08-MAY-07 17:31	0.111	ND	µg/m³		1	2.0
Carbon Disulfide	08-MAY-07 17:31	0.35	ND	ppb v/v		1	0.5
Freon 113	08-MAY-07 17:31	0.0950	ND	µg/m³		1	1.6
Freon 113	08-MAY-07 17:31	0.73	ND	ppb v/v		1	0.5
Acetone	08-MAY-07 17:31	1.1	140	ug/m³		1	3.8
Acetone	08-MAY-07 17:31	2.7	330	v/v dqq	В	10	5.0
Methylene Chloride	08-MAY-07 17:31	0.168	ND	ha/w3	В	10	12.
Methylene Chloride	08-MAY-07 17:31	0.168		v/v dqq		1	0.5
trans-1,2-Dichloroethene	08-MAY-07 17:31	0.118	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	08-MAY-07 17:31	0.47	ND ND	v/v dqq		1	0.5
1,1-Dichloroethane	08-MAY-07 17:31	0.116	ND	µg/m³		1	2.0
1,1-Dichloroethane	08-MAY-07 17:31	0.47	ND ND	_ppb_v/v		1	0.5
Methyl t-Butyl Ether	08-MAY-07 17:31	0.147		µg/m³		1	2.0
Methyl t-Butyl Ether	08-MAY-07 17:31	0.53	ND	ppb v/v		1	0.5
Vinyl Acetate	08-MAY-07 17:31	0.53	ND	µg/m³		1	1.8
Vinyl Acetate	08-MAY-07 17:31	0.133	ND	_ppb_v/v		1	0.5
1,1-Dichloroethene	08-MAY-07 17:31	0.47	ND	ug/m³		1	1.8
1,1-Dichloroethene	08-MAY-07 17:31		ND	v/v dqq		1	0.5
2-Butanone	08-MAY-07 17:31	0.43	ND	μg/m³		1	2.0
2-Butanone	08-MAY-07 17:31	0.182	0.72	v/v dqq		1	0.5
Ethyl Acetate	08-MAY-07 17:31	0.54	2.1	na/w3		1	1.5
	100-MAI-0/ 1/:31	0.273	7.7	ppb v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 14-MAY-07 11:18 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02430 DCL Report Group..: 07E-0367-01

Analyte	Date Analyzed	MDL	Result	Units	Oual.	Dilution	PQL
Ethyl Acetate	08-MAY-07 17:31	0.98	28.	µg/m³	Quai.	+	
Hexane	08-MAY-07 17:31	0.121	ND ND	ppb v/v		1 1	1.8
Hexane	08-MAY-07 17:31	0.43	ND	hd/w ₃		$\frac{1}{1}$	0.5
Chloroform	08-MAY-07 17:31	0.115	ND	ppb v/v	 		1.8
Chloroform	08-MAY-07 17:31	0.56	ND	hd/w ₃	 	$\begin{array}{ c c }\hline & 1 \\\hline & 1 \\\hline \end{array}$	0.5
1,1,1-Trichloroethane	08-MAY-07 17:31	0.0725	ND	ppb v/v	 		2.4
1,1,1-Trichloroethane	08-MAY-07 17:31	0.40	ND	ha/w ₃	 	1 1	0.5
Carbon Tetrachloride	08-MAY-07 17:31	0.0657	ND	ppb v/v		1	2.7
Carbon Tetrachloride	08-MAY-07 17:31	0.41	ND	hd/w ₃			0.5 3.1
Benzene	08-MAY-07 17:31	0.102	0.42	ppb v/v	J	$+\frac{1}{1}$	
Benzene	08-MAY-07 17:31	0.33	1.4	hd/w ₃	J	$\frac{1}{1}$	0.5
Tetrahydrofuran	08-MAY-07 17:31	0.227	ND	ppb v/v	- ·	$\frac{1}{1}$	1.6 0.5
Tetrahydrofuran	08-MAY-07 17:31	0.67	ND	nd/w ₃	<u> </u>	$\frac{1}{1}$	
1,2-Dichloroethane	08-MAY-07 17:31	0.153	ND	ppb v/v		$\frac{1}{1}$	1.5 0.5
1,2-Dichloroethane	08-MAY-07 17:31	0.62	ND	hd/m3		1 1	2.0
Cyclohexane	08-MAY-07 17:31	0.120	ND	ppb v/v		1 1	0.5
Cyclohexane	08-MAY-07 17:31	0.41	ND	μg/m ³	· · · · · · · · · · · · · · · · · · ·	1	1.7
Trichloroethene	08-MAY-07 17:31	0.120	0.96	v/v dag		$\frac{1}{1}$	0.5
Trichloroethene	08-MAY-07 17:31	0.64	5.2	nd/m3		1	2.7
1,2-Dichloropropane	08-MAY-07 17:31	0.123	ND	v\v dqq		$\frac{1}{1}$	0.5
1,2-Dichloropropane	08-MAY-07 17:31	0.57	ND	nd/m3		1	2.3
Bromodichloromethane	08-MAY-07 17:31	0.0779	ND	ppb v/v		1	0.5
Bromodichloromethane	08-MAY-07 17:31	0.52	ND	na/w3		1	3.3
Heptane	08-MAY-07 17:31	0.101	0.11	ppb v/v	J	1	0.5
Heptane	08-MAY-07 17:31	0.41	0.45	µg/m³	J	1	2.0
cis-1,3-Dichloropropene	08-MAY-07 17:31	0.106	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	08-MAY-07 17:31	0.48	ND	µq/m³		1	2.3
4-Methyl-2-Pentanone	08-MAY-07 17:31	0.116	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	08-MAY-07 17:31	0.48	ND	µg/m³		1	2.0
Toluene	08-MAY-07 17:31	0.115	1.0	ppb v/v		1	0.5
Toluene	08-MAY-07 17:31	0.43	3.8	μg/m³		1	1.9
trans-1,3-Dichloropropene	08-MAY-07 17:31	0.130	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	08-MAY-07 17:31	0.59	ND	µg/m³		1	2.3 -
1,1,2-Trichloroethane 1,1,2-Trichloroethane	08-MAY-07 17:31	0.0972	ND	ppb v/v		1	0.5
Tetrachloroethene	08-MAY-07 17:31	0.53	ND	µg/m³		1	2.7
Tetrachloroethene	08-MAY-07 17:31	0.0847	ND	ppb v/v		1	0.5
2-Hexanone	08-MAY-07 17:31	0.57	ND	µg/m³		1	3.4
2-Hexanone	08-MAY-07 17:31	0.136	ND	ppb v/v		1	0.5
Dibromochloromethane	08-MAY-07 17:31	0.56	ND	µg/m³		1	2.0
Dibromochloromethane	08-MAY-07 17:31	0.0792	ND	v/v dqq		1	0.5
1,2-Dibromoethane	08-MAY-07 17:31	0.67	ND	μg/m³		1	4.2
1,2-Dibromoethane	08-MAY-07 17:31	0.119	ND	ppb v/v		1	0.5
Chlorobenzene	08-MAY-07 17:31	0.91	ND	ug/m³		1	3.8
Chlorobenzene	08-MAY-07 17:31 08-MAY-07 17:31	0.0882	ND	v/v dqq		1	0.5
Ethylbenzene	08-MAY-07 17:31	0.41	ND ND	µg/m³		1	2.3
Ethylbenzene	08-MAY-07 17:31 08-MAY-07 17:31	0.150	ND	ppb v/v		1	0.5
m,p-Xylene	08-MAY-07 17:31	0.65	ND	ha/w3		1	2.2
m,p-Xylene	08-MAY-07 17:31 08-MAY-07 17:31	0.213	0.44	ppb v/v	J	11	1.0
o-Xylene	08-MAY-07 17:31	0.92	1.9	µg/m³	_ <u>J</u>	1	4.3
o-Xylene	08-MAY-07 17:31	0.113	0.14	ppb v/v	J	1	0.5
Styrene	08-MAY-07 17:31	0.49	0.62	µg/m³	J	1	2.2
Styrene	08-MAY-07 17:31	0.0748	0.23	ppb v/v	<u> </u>	1	0.5
Bromoform	08-MAY-07 17:31	0.32	0.98	µg/m³	J	1	2.1
Bromoform	08-MAY-07 17:31	0.90	ND ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	08-MAY-07 17:31	0.108	ND	ug/m³		1	5.1
1,1,2,2-Tetrachloroethane	08-MAY-07 17:31	0.108	ND ND	ppb v/v		1	0.5
Benzyl Chloride	08-MAY-07 17:31	0.136	ND	ppb v/v		1	3.4
	1-3 202 07 17.31	3.130	רואד	phn A/A		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 14-MAY-07 11:18

Client Name.....: Weston Solutions, Inc.

DCL Sample Name...: 07E02430

DCL Report Group..: 07E-0367-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Oual.	Dilution	PQL
Benzyl Chloride	08-MAY-07 17:31	0.70	ND	ug/m³		1	2.6
4-Ethyl toluene	08-MAY-07 17:31	0.0983	ND	v/v dag		1 1	0.5
4-Ethyl toluene	08-MAY-07 17:31	0.48	ND	µg/m³		1 1	2.5
1,3,5-Trimethylbenzene	08-MAY-07 17:31	0.112	ND	v/v dag		1	0.5
1,3,5-Trimethylbenzene	08-MAY-07 17:31	0.55	ND	uq/m³		1 1	2.5
1,2,4-Trimethylbenzene	08-MAY-07 17:31	0.117	0.19	v\v dag	J	1 1	0.5
1,2,4-Trimethylbenzene	08-MAY-07 17:31	0.58	0.91	ug/m³	J	1 7 1	2.5
1,3-Dichlorobenzene	08-MAY-07 17:31	0.120	ND	ppb v/v		1 1	0.5
1,3-Dichlorobenzene	08-MAY-07 17:31	0.72	ND	µg/m³		1 1	3.0
1,4-Dichlorobenzene	08-MAY-07 17:31	0.0987	ND	ppb v/v		1 1	0.5
1,4-Dichlorobenzene	08-MAY-07 17:31	0.59	ND	µg/m³		1 1	3.0
1,2-Dichlorobenzene	08-MAY-07 17:31	0.0851	ND	v\v dag		1 1	0.5
1,2-Dichlorobenzene	08-MAY-07 17:31	0.51	ND	µg/m³		1	3.0
1,2,4-Trichlorobenzene	08-MAY-07 17:31	0.115	ND UJ	v/v dag		1 1	0.5
1,2,4-Trichlorobenzene	08-MAY-07 17:31	0.85	ND UJ	µg/m³		1 1	3.7
Hexachlorobutadiene	08-MAY-07 17:31	0.119	ND U.T	v/v dag		1	0.5
Hexachlorobutadiene	08-MAY-07 17:31	1.3	ND UJ	μg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Oual.	Dilution
Propene/Propane(4.20)	08-MAY-07 17:31	4.1	v\v dag	J	1
Dimethyl Ether(4.38)	08-MAY-07 17:31	3.0	v/v dag	J	1
Isobutane(4.52)	08-MAY-07 17:31	25.	v/v dag	J	1
Butane (4.80)	08-MAY-07 17:31	3.5	ppb v/v	J	1
Ethanol (5.24)	08-MAY-07 17:31	200	ppb v/v	J	1
Isopropyl Alcohol(5.87)	08-MAY-07 17:31	2.8	ppb v/v	J	1

23 6|5|07



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 14-MAY-07 11:18

Client Name..... : Weston Solutions, Inc.

Client Ref Number....: Not Provided

Sampling Site..... Behr VOC Plume PRP

Release Number....: 055729

Date Received.....: 07-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared.....: Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume...: Not Required

Client Sample Name: EPA-23-SS DCL Sample Name...: 07E02431 DCL Report Group..: 07E-0367-01

Matrix..... AIR

Date Sampled....: 03-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis....:

☒ As Received ☐ Dried

DCL Analysis Group: G074801F Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-W Column Type..... DB-1

X Primary ☐ Confirmation

Analyte	Date Analyzed	MDL	Result	Units	Oual.	Dilution	DOL
Propene	08-MAY-07 18:59	0.180	ND	ppb v/v	- Quar.		PQL
Propene	08-MAY-07 18:59	0.31	ND	ha/w ₃	 	$\frac{1}{1}$	0.5
Dichlorodifluoromethane	08-MAY-07 18:59	0.0669	0.66	v/v dag	 	1 1	0.86
Dichlorodifluoromethane	08-MAY-07 18:59	0.33	3.2	na/w ₃		1 1	0.5
Chloromethane	08-MAY-07 18:59	0.249	ND	pg/m³		$\frac{1}{1}$	2.5
Chloromethane	08-MAY-07 18:59	0.51	ND	hd/w ₃			0.5
Freon 114	08-MAY-07 18:59	0.156	ND	pg/m³	 	1 1	1.0
Freon 114	08-MAY-07 18:59	1.1	ND	ha/w ₃		1 1	0.5
Vinyl Chloride	08-MAY-07 18:59	0.301	ND	v/v dag		$\frac{1}{1}$	3.5
Vinyl Chloride	08-MAY-07 18:59	0.77	ND	ha/w ₃		1	0.5
1,3-Butadiene	08-MAY-07 18:59	0.346	ND	ppb v/v	 	1	1.3
1,3-Butadiene	08-MAY-07 18:59	0.77	ND	ha/w ₃			0.5
Bromomethane	08-MAY-07 18:59	0.215	ND	ppb v/v		$\frac{1}{1}$	1.1
Bromomethane	08-MAY-07 18:59	0.83	ND	nd/w ₃		1 1	0.5
Chloroethane	08-MAY-07 18:59	0.388	ND	v/v daa			1.9
Chloroethane	08-MAY-07 18:59	1.0	ND	hd/w ₃		1	0.5
Freon 11	08-MAY-07 18:59	0.0921	0.27	ppb v/v	J	1	1.3 -
Freon 11	08-MAY-07 18:59	0.52	1.5			1	0.5
cis-1,2-Dichloroethene	08-MAY-07 18:59	0.102	ND	ppb v/v	J	1	2.8
cis-1,2-Dichloroethene	08-MAY-07 18:59	0.40	ND			1	0.5
Carbon Disulfide	08-MAY-07 18:59	0.111	0.36	μg/m³		1	2.0
Carbon Disulfide	08-MAY-07 18:59	0.35	1.1	ha/w ₃	J	1	0.5
Freon 113	08-MAY-07 18:59	0.0950	ND	μg/m³	J	1	1.6
Freon 113	08-MAY-07 18:59	0.73	ND	ha/w ₃		1	0.5
Acetone	08-MAY-07 18:59	0.113	6.5			1	3.8
Acetone	08-MAY-07 18:59	0.27	15.	ppb v/v	В	1	0.5
Methylene Chloride	08-MAY-07 18:59	0.168	ND	μg/m³	B	1	1.2
Methylene Chloride	08-MAY-07 18:59	0.58	ND			1	0.5
trans-1,2-Dichloroethene	08-MAY-07 18:59	0.118	ND	hay m3		1	1.7
trans-1,2-Dichloroethene	08-MAY-07 18:59	0.47	ND	hd/w ₃		1	0.5
1,1-Dichloroethane	08-MAY-07 18:59	0.116	ND	ppb v/v		1	2.0
1,1-Dichloroethane	08-MAY-07 18:59	0.47	ND	na/w3		1	0.5
Methyl t-Butyl Ether	08-MAY-07 18:59	0.147	ND			1	2.0
Methyl t-Butyl Ether	08-MAY-07 18:59	0.53	ND	ppb v/v		1	0.5
Vinyl Acetate	08-MAY-07 18:59	0.133	ND ND	µg/m³		1	1.8
Vinyl Acetate	08-MAY-07 18:59	0.47	ND	ppb v/v		1	0.5
1,1-Dichloroethene	08-MAY-07 18:59	0.109	ND	µg/m³			1.8
1,1-Dichloroethene	08-MAY-07 18:59	0.109	ND ND	ppb v/v		1	0.5
2-Butanone	08-MAY-07 18:59	0.43	1.7	μg/m ³		1	2.0
2-Butanone	08-MAY-07 18:59	0.182	4.9	ppb v/v		1	0.5
Ethyl Acetate	08-MAY-07 18:59	0.34		µg/m³		1	1.5
	[00-MAI-07 18:59]	0.4/3	ND	ppb v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 14-MAY-07 11:18
Client Name....: Weston Solutions, Inc.

DCL Sample Name...: 07E02431
DCL Report Group..: 07E-0367-01

Analyte	Date	MTOT	Doc: 1 ←	TT 2 4			
Ethyl Acetate	Analyzed 08-MAY-07 18:59	MDL	Result	Units	Qual.	Dilution	PQL
Hexane	08-MAY-07 18:59	0.98	ND	µg/m³		1 1	1.8
Hexane	08-MAY-07 18:59		4.3	ppb v/v		1	0.5
Chloroform	08-MAY-07 18:59	0.43	15.	µg/m³		1 1	1.8
Chloroform	08-MAY-07 18:59	0.115	0.15	ppb v/v	J	1 1	0.5
1,1,1-Trichloroethane	08-MAY-07 18:59	0.0725	0.71	µg/m³	J	1 1	2.4
1,1,1-Trichloroethane	08-MAY-07 18:59	0.40	ND	v/v dqq		1 1	0.5
Carbon Tetrachloride	08-MAY-07 18:59	0.0657	ND	µg/m³		1	2.7
Carbon Tetrachloride	08-MAY-07 18:59	0.0657	ND ND	ppb v/v		1 1	0.5
Benzene	08-MAY-07 18:59	0.102	0.94	µg/m³		1 1	3.1
Benzene	08-MAY-07 18:59	0.102	3.0	ppb v/v		1	0.5
Tetrahydrofuran	08-MAY-07 18:59	0.227	ND ND	µg/m³		1	1.6
Tetrahydrofuran	08-MAY-07 18:59	0.67	ND	ppb v/v		1 1	0.5
1,2-Dichloroethane	08-MAY-07 18:59	0.153	ND	ppb v/v		1	1.5
1,2-Dichloroethane	08-MAY-07 18:59	0.62	ND	hd/w ₃		1 1	0.5
Cyclohexane	08-MAY-07 18:59	0.120	1.6	pgb v/v		1	2.0
Cyclohexane	08-MAY-07 18:59	0.41	5.6	hd/w ₃		1	0.5
Trichloroethene	08-MAY-07 18:59	0.120	ND ND	hd/m,		1	1.7
Trichloroethene	08-MAY-07 18:59	0.64	ND	hd/w ₃		1	0.5
1,2-Dichloropropane	08-MAY-07 18:59	0.123	ND	hd/w,		1	2.7
1,2-Dichloropropane	08-MAY-07 18:59	0.57	ND	ha/w ₃		1 1	0.5
Bromodichloromethane	08-MAY-07 18:59	0.0779	0.23	y\v dag	J		2.3
Bromodichloromethane	08-MAY-07 18:59	0.52	1.5	hd/w ₃	J	1	0.5
Heptane	08-MAY-07 18:59	0.101	3.1	v\v dag	<u> </u>	1	3.3
Heptane	08-MAY-07 18:59	0.41	13.	na/w ₃		1	0.5
cis-1,3-Dichloropropene	08-MAY-07 18:59	0.106	ND	ppb v/v		1	2.0
cis-1,3-Dichloropropene	08-MAY-07 18:59	0.48	ND	hd/w ₃		1	0.5
4-Methyl-2-Pentanone	08-MAY-07 18:59	0.116	ND	v\v dag		1	2.3
4-Methyl-2-Pentanone	08-MAY-07 18:59	0.48	ND	hd/w ₃		1	0.5
Toluene	08-MAY-07 18:59	0.115	3.1	v/v dag		$\frac{1}{1}$	2.0 0.5
Toluene	08-MAY-07 18:59	0.43	12.	µg/m³		1	1.9
trans-1,3-Dichloropropene	08-MAY-07 18:59	0.130	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	08-MAY-07 18:59	0.59	ND	ug/m³		1	2.3 -
1,1,2-Trichloroethane	08-MAY-07 18:59	0.0972	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	08-MAY-07 18:59	0.53	ND	µg/m³		1	2.7
Tetrachloroethene	08-MAY-07 18:59	0.0847	ND	ppb v/v		1	0.5
Tetrachloroethene	08-MAY-07 18:59	0.57	ND	ug/m³		1	3.4
2-Hexanone	08-MAY-07 18:59	0.136	ND	ppb v/v		1	0.5
2-Hexanone	08-MAY-07 18:59	0.56	ND	µg/m³		1	2.0
Dibromochloromethane	08-MAY-07 18:59	0.0792	ND	ppb v/v		1	0.5
Dibromochloromethane	08-MAY-07 18:59	0.67	ND	µg/m³		1	4.2
1,2-Dibromoethane	08-MAY-07 18:59	0.119	ND	ppb v/v		1	0.5
1,2-Dibromoethane	08-MAY-07 18:59	0.91	ND	µg/m³		1	3.8
Chlorobenzene	08-MAY-07 18:59	0.0882	ND	ppb v/v		1	0.5
Chlorobenzene	08-MAY-07 18:59	0.41	ND	μg/m³		1	2.3
Ethylbenzene	08-MAY-07 18:59	0.150	1.6	ppb v/v		1	0.5
Ethylbenzene	08-MAY-07 18:59	0.65	6.9	µg/m³		1	2.2
m,p-Xylene	08-MAY-07 18:59	0.213	2.1	v/v dqq		1	1.0
m,p-Xylene	08-MAY-07 18:59	0.92	9.0	µg/m³		1	4.3
o-Xylene	08-MAY-07 18:59	0.113	1.1	v/v dqq		1	0.5
o-Xylene Styrene	08-MAY-07 18:59	0.49	4.7	µg/m³		1	2.2
Styrene	08-MAY-07 18:59	0.0748	ND	ppb v/v		1	0.5
Bromoform	08-MAY-07 18:59	0.32	ND	μg/m³		1	2.1
Bromoform	08-MAY-07 18:59	0.0884	ND	ppb v/v		1	0.5
	08-MAY-07 18:59	0.90	ND	μg/m³		1	5.1
1,1,2,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane	08-MAY-07 18:59	0.108	ND	ppb v/v		1	0.5
Benzyl Chloride	08-MAY-07 18:59	0.74	ND	µg/m³		1	3.4
Derray Cittot TOG	08-MAY-07 18:59	0.136	ND	ppb v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 14-MAY-07 11:18 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02431 DCL Report Group..: 07E-0367-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Benzyl Chloride	08-MAY-07 18:59	0.70	ND	µg/m³		1	2.6
4-Ethyl toluene	08-MAY-07 18:59	0.0983	0.29	v/v dag	J	1 1	0.5
4-Ethyl toluene	08-MAY-07 18:59	0.48	1.4	µg/m³	J		2.5
1,3,5-Trimethylbenzene	08-MAY-07 18:59	0.112	0.44	ppb v/v	J	1 1	0.5
1,3,5-Trimethylbenzene	08-MAY-07 18:59	0.55	2.2	µg/m³	J	1 1	2.5
1,2,4-Trimethylbenzene	08-MAY-07 18:59	0.117	1.7	ppb v/v		1 1	0.5
1,2,4-Trimethylbenzene	08-MAY-07 18:59	0.58	8.5	ug/m³		1 1	2.5
1,3-Dichlorobenzene	08-MAY-07 18:59	0.120	ND	v\v dag		1 1	0.5
1,3-Dichlorobenzene	08-MAY-07 18:59	0.72	ND	ug/m³		 	3.0
1,4-Dichlorobenzene	08-MAY-07 18:59	0.0987	ND	v/v dqq		1 1	0.5
1,4-Dichlorobenzene	08-MAY-07 18:59	0.59	ND	µg/m³		1 1	3.0
1,2-Dichlorobenzene	08-MAY-07 18:59	0.0851	ND	v\v dag		1 1	0.5
1,2-Dichlorobenzene	08-MAY-07 18:59	0.51	ND	µg/m³		1 1	3.0
1,2,4-Trichlorobenzene	08-MAY-07 18:59	0.115	NDUJ			1	0.5
1,2,4-Trichlorobenzene	08-MAY-07 18:59	0.85	Tu du	nd/m3		1	3.7
Hexachlorobutadiene	08-MAY-07 18:59	0.119	NDUT	ppb v/v		1	0.5
Hexachlorobutadiene	08-MAY-07 18:59	1.3	KD UZ	nd/m3		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Isobutane(4.53)	08-MAY-07 18:59	4.4	ppb v/v	J	1
Butane (4.80)	08-MAY-07 18:59	4.1	v\v dag	J	1
Ethanol (5.28)	08-MAY-07 18:59	2.8	v\v dag	J	1
Butane, 2-methyl(5.69)	08-MAY-07 18:59	7.3	v\v dag	J	1
Pentane(6.12)	08-MAY-07 18:59	3.5	v\v dag	J	1
Pentane, 2-methyl-(7.55)	08-MAY-07 18:59	3.3	ppb v/v	J	1
CYCLOHEXANE, METHYL-(11.36)	08-MAY-07 18:59	3.9	v\v dqq	J	1
Octane (13.06)	08-MAY-07 18:59	3.2	v\v dag	J	1
Unknown fluorocarbon(13.77)	08-MAY-07 18:59	20.	v\v daa	J	1
Nonane (15.13)	08-MAY-07 18:59	4.1	v\v dag	J	1
Decane(17.00)	08-MAY-07 18:59	5.3	v\v dag	J	1
C11 Hydrocarbon(17.84)	08-MAY-07 18:59	4.8	v\v daa	J	1
C11 Hydrocarbon(18.50)	08-MAY-07 18:59	3.5	v\v dag	J	1
Undecane(18.71)	08-MAY-07 18:59	5.6	v\v dag	J	1



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 14-MAY-07 11:18

Client Name..... : Weston Solutions, Inc.

Client Ref Number...: Not Provided

Sampling Site..... Behr VOC Plume PRP

Release Number....: 055729

Date Received.....: 07-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared..... Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume...: Not Required

Client Sample Name: EPA-24-SS DCL Sample Name...: 07E02432 DCL Report Group..: 07E-0367-01

Matrix..... AIR

Date Sampled....: 03-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis.....: ☒ As Received ☐ Dried

DCL Analysis Group: G074801F Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-W Column Type....: DB-1

> X Primary ☐ Confirmation

	Date						
Analyte	Analyzed	MDL	Result	Units	Qual.	Dilution	POL
Propene	08-MAY-07 20:32	0.180	ND	ppb v/v		1	0.5
Propene	08-MAY-07 20:32	0.31	ND	ug/m³		$\frac{1}{1}$	0.86
Dichlorodifluoromethane	08-MAY-07 20:32	0.0669	0.60	ppb v/v		1	0.5
Dichlorodifluoromethane	08-MAY-07 20:32	0.33	2.9	µg/m³		1	2.5
Chloromethane	08-MAY-07 20:32	0.249	ND	ppb v/v		1 1	0.5
Chloromethane	08-MAY-07 20:32	0.51	ND	ug/m³		1	1.0
Freon 114	08-MAY-07 20:32	0.156	ND	ppb v/y		1	0.5
Freon 114	08-MAY-07 20:32	1.1	ND	µg/m³		1	3.5
Vinyl Chloride	08-MAY-07 20:32	0.301	ND	v/v dag		1	0.5
Vinyl Chloride	08-MAY-07 20:32	0.77	ND	ug/m³		1	1.3
1,3-Butadiene	08-MAY-07 20:32	0.346	ND	v/v dag		1	0.5
1,3-Butadiene	08-MAY-07 20:32	0.77	ND	ug/m³		1	1.1
Bromomethane	08-MAY-07 20:32	0.215	ND	v\v daa	<u> </u>	1	0.5
Bromomethane	08-MAY-07 20:32	0.83	ND	na/w3		1	1.9
Chloroethane	08-MAY-07 20:32	0.388	ND	v\v dag		1	0.5
Chloroethane	08-MAY-07 20:32	1.0	ND	ug/m³		1	1.3 -
Freon 11	08-MAY-07 20:32	0.0921	0.28	v\v daa	J	1	0.5
Freon 11	08-MAY-07 20:32	0.52	1.6	na/w3	J	1	2.8
cis-1,2-Dichloroethene	08-MAY-07 20:32	0.102	ND	ppb v/v		1	0.5
cis-1,2-Dichloroethene	08-MAY-07 20:32	0.40	ND	na/w3		1	2.0
Carbon Disulfide	08-MAY-07 20:32	0.111	0.17	v\v dqq	J	1	0.5
Carbon Disulfide	08-MAY-07 20:32	0.35	0.53	nd/w ₃	J	1	1.6
Freon 113	08-MAY-07 20:32	0.0950	ND	v\v daa		1 1	0.5
Freon 113	08-MAY-07 20:32	0.73	ND	nd/w3		1	3.8
Acetone	08-MAY-07 20:32	0.113	12.	v\v dqq	В	1 1	0.5
Acetone	08-MAY-07 20:32	0.27	28.	na/w3	В	1	1.2
Methylene Chloride	08-MAY-07 20:32	0.168	ND	v\v daa		1	0.5
Methylene Chloride	08-MAY-07 20:32	0.58	ND	nd/m3		1	1.7
trans-1,2-Dichloroethene	08-MAY-07 20:32	0.118	ND	v\v daa		1	0.5
trans-1,2-Dichloroethene	08-MAY-07 20:32	0.47	ND	na/w3		1 1	2.0
1,1-Dichloroethane	08-MAY-07 20:32	0.116	ND	v/v dag		1	0.5
1,1-Dichloroethane	08-MAY-07 20:32	0.47	ND	hd/w ₃		1	2.0
Methyl t-Butyl Ether	08-MAY-07 20:32	0.147	ND	v/v dag		1	0.5
Methyl t-Butyl Ether	08-MAY-07 20:32	0.53	ND	na/w ₃		1	1.8
Vinyl Acetate	08-MAY-07 20:32	0.133	ND	pyb v/v		$-\frac{1}{1}$	0.5
Vinyl Acetate	08-MAY-07 20:32	0.47	ND	ha/w ₃		1	1.8
1,1-Dichloroethene	08-MAY-07 20:32	0.109	ND	pg/m³		1	
1,1-Dichloroethene	08-MAY-07 20:32	0.43	ND	hd/w ₃			0.5
2-Butanone	08-MAY-07 20:32	0.182	0.83	ν/ν dqq		$\frac{1}{1}$	2.0
2-Butanone	08-MAY-07 20:32	0.54	2.4	hd/w ₃			0.5
Ethyl Acetate	08-MAY-07 20:32	0.273	ND ND	v\v daa		$-\frac{1}{1}$	1.5 0.5



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G074601B

SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 14-MAY-07 11:18
Client Name....: Weston Solutions, Inc.

DCL Sample Name...: 07E02432
DCL Report Group..: 07E-0367-01

Ethyl Acetate	Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Hexane	Ethvl Acetate		0.98			guar.	-	
Hexane								
Chloroform								
Chloroform							-	
1.1.1-Trichlorosethane								
1.1.1.Trichlorcethane							 	
Carbon Tetrachloride								
Carbon Tetrachloride								
Benzene								
Benzone								
Tetrahydrofuran								
Tetrahydrofuran						U		
1,2-Pichloroethane								
1.2-Dichloroethane								
Cyclohexane								
Cyclohexane								
Trichlorosthene	** ** · · · · · · · · · · · · · · · · ·							
Trichloroethene								
1,2-Dichloropropane						.		
1,2-Dichloropropane								
Bromodichloromethane								
Bromodichloromethane								
Heptane								
Hentane						J		
cis-1, 3-Dichloropropene 08-MAY-07 20:32 0.106 ND ppb v/v 1 2.0 cis-1, 3-Dichloropropene 08-MAY-07 20:32 0.166 ND ppb v/v 1 0.5 4-Methyl-2-Pentanone 08-MAY-07 20:32 0.116 ND ppb v/v 1 0.5 4-Methyl-2-Pentanone 08-MAY-07 20:32 0.116 ND ppb v/v 1 0.5 4-Methyl-2-Pentanone 08-MAY-07 20:32 0.115 ND ppb v/v 1 0.5 4-Methyl-2-Pentanone 08-MAY-07 20:32 0.115 1.7 ppb v/v 1 0.5 Toluene 08-MAY-07 20:32 0.15 1.7 ppb v/v 1 0.5 trans-1,3-Dichloropropene 08-MAY-07 20:32 0.150 ND ppb v/v 1 0.5 trans-1,3-Dichloropropene 08-MAY-07 20:32 0.59 ND ppb v/v 1 0.5 trans-1,3-Dichloropropene 08-MAY-07 20:32 0.59 ND ppb v/v 1 0.5 trans-1,3-Dichloropropene								
cis-1,3-Dichloropropene 08-MAY-07 20:32 0.48 ND µg/m³ 1 2.3 4-Methyl-2-Pentanone 08-MAY-07 20:32 0.116 ND ppb v/v 1 0.5 4-Methyl-2-Pentanone 08-MAY-07 20:32 0.48 ND µg/m³ 1 2.0 Toluene 08-MAY-07 20:32 0.115 1.7 ppb v/v 1 0.5 Toluene 08-MAY-07 20:32 0.43 6.2 µg/m³ 1 0.5 trans-1,3-Dichloropropene 08-MAY-07 20:32 0.43 6.2 µg/m³ 1 0.5 trans-1,3-Dichloropropene 08-MAY-07 20:32 0.59 ND µg/m³ 1 2.3 trans-1 08-MAY-07 20:32 0.59								
4-Methyl-2-Pentanone								
4-Methyl-2-Pentanone								
Toluene 08-MAY-07 20:32 0.115 1.7 ppb v/v 1 0.5 Toluene 08-MAY-07 20:32 0.135 1.7 ppb v/v 1 0.5 Toluene 08-MAY-07 20:32 0.130 ND ppb v/v 1 1 0.5 trans-1,3-Dichloropropene 08-MAY-07 20:32 0.130 ND ppb v/v 1 0.5 trans-1,3-Dichloropropene 08-MAY-07 20:32 0.59 ND µg/m³ 1 2.3 - 1,1,2-Trichloroethane 08-MAY-07 20:32 0.59 ND µg/m³ 1 2.3 - 1,1,2-Trichloroethane 08-MAY-07 20:32 0.59 ND µg/m³ 1 2.7 Tetrachloroethane 08-MAY-07 20:32 0.53 ND µg/m³ 1 2.7 Tetrachloroethane 08-MAY-07 20:32 0.53 ND µg/m³ 1 2.7 Tetrachloroethane 08-MAY-07 20:32 0.53 ND µg/m³ 1 2.7 Tetrachloroethane 08-MAY-07 20:32 0.55 ND µg/m³ 1 2.7 Tetrachloroethane 08-MAY-07 20:32 0.56 ND µg/m³ 1 2.7 Tetrachloroethane 08-MAY-07 20:32 0.56 ND µg/m³ 1 2.5 Dibromochloromethane 08-MAY-07 20:32 0.56 ND µg/m³ 1 2.0 Dibromochloromethane 08-MAY-07 20:32 0.56 ND µg/m³ 1 2.0 Dibromochloromethane 08-MAY-07 20:32 0.67 ND µg/m³ 1 2.0 Dibromochloromethane 08-MAY-07 20:32 0.67 ND µg/m³ 1 4.2 Dibromochloromethane 08-MAY-07 20:32 0.67 ND µg/m³ 1 2.3 Ethylbenzene 08-MAY-07 20:32 0.99 ND µg/m³ 1 2.3 Ethylbenzene 08-MAY-07 20:32 0.99 ND µg/m³ 1 2.3 Ethylbenzene 08-MAY-07 20:32 0.41 ND µg/m³ 1 2.3 Ethylbenzene 08-MAY-07 20:32 0.150 0.71 ppb v/v 1 0.5 Ethylbenzene 08-MAY-07 20:32 0.150 0.71 ppb v/v 1 0.5 Ethylbenzene 08-MAY-07 20:32 0.150 0.71 ppb v/v 1 0.5 Ethylbenzene 08-MAY-07 20:32 0.150 0.71 ppb v/v 1 0.5 Ethylbenzene 08-MAY-07 20:32 0.44 ND ppb v/v 1 0.5 Exyrene 08-MAY-07 20:32 0.49 2.0 ND µg/m³ 1 2.2 Syrene 08-MAY-07 20:32 0.49 2.0 ND µg/m³ 1 2.2 Syrene 08-MAY-07 20:32 0.084 ND ppb v/v 1 0.5 Exyrene 08-MAY-07 20:32 0.084 ND ppb v/v 1 0.5 Exyrene 08-MAY-07 20:32 0.084 ND ppb v/v 1 0.5 Exyrene 08-MAY-07 20:32 0.088 ND ppb v/v 1 0.5 Exyrene 08-MAY-0								
Toluene 08-MAY-07 20:32 0.43 6.2 \(\frac{\text{lag}}{\text{mars}} \) 1 1.9 \(\frac{\text{sos}}{\text{sos}} \) 1 1.2 3 \(\frac{\text{sos}}{\text{sos}} \) 1 1.2 3 \(\frac{\text{sos}}{\text{sos}} \) 1 1.2 -Trichloroethane \(\frac{\text{sos}}{\text{sos}} \) 1.4 2-Trichloroethane \(\frac{\text{sos}}{\text{sos}} \) 1.3 \(\frac{\text{sos}								
trans-1,3-Dichloropropene 08-MAY-07 20:32 0.130 ND ppb v/v 1 0.5 trans-1,3-Dichloropropene 08-MAY-07 20:32 0.59 ND ug/m³ 1 2.3 - 1,1,2-Trichloroethane 08-MAY-07 20:32 0.0972 ND ppb v/v 1 0.5 1,1,2-Trichloroethane 08-MAY-07 20:32 0.53 ND µg/m³ 1 2.7 Tetrachloroethene 08-MAY-07 20:32 0.0847 0.19 ppb v/v J 1 0.5 Tetrachloroethene 08-MAY-07 20:32 0.57 ND µg/m³ J 1 0.5 Tetrachloroethene 08-MAY-07 20:32 0.57 ND µg/m³ J 1 0.5 2-Hexanone 08-MAY-07 20:32 0.56 ND µg/m³ J 1 2.0 2-Hexanone 08-MAY-07 20:32 0.56 ND µg/m³ 1 2.0 Dibromochloromethane 08-MAY-07 20:32 0.0792 ND ppb v/v 1 0.5 Dibromochloromethane 08-MAY-07 20:32 0.0792 ND pbb v/v 1 0.5 1,2-Dibromoethane 08-MAY-07 20:32 0.119 ND µg/m³ 1 4.2 1,2-Dibromoethane 08-MAY-07 20:32 0.19 ND µg/m³ 1 0.5 1,2-Dibromoethane 08-MAY-07 20:32 0.19 ND µg/m³ 1 0.5 1,2-Dibromoethane 08-MAY-07 20:32 0.19 ND µg/m³ 1 0.5 1,2-Dibromoethane 08-MAY-07 20:32 0.91 ND µg/m³ 1 0.5 Chlorobenzene 08-MAY-07 20:32 0.91 ND µg/m³ 1 0.5 Chlorobenzene 08-MAY-07 20:32 0.91 ND µg/m³ 1 0.5 Ethylbenzene		08-MAY-07 20:32						
trans-1,3-Dichloropropene 08-MAY-07 20:32 0.59 ND µg/m³ ND µg/m³ 1 2.3 - 1.1,2-Trichloroethane 08-MAY-07 20:32 0.972 ND ppb v/v 1 0.5 1,1,2-Trichloroethane 08-MAY-07 20:32 0.53 ND µg/m³ 1 0.5 1 0.5 Tetrachloroethene 08-MAY-07 20:32 0.0847 0.19 ppb v/v J 1 0.5 1 0.5 Tetrachloroethene 08-MAY-07 20:32 0.57 1.3 µg/m³ 1 0.5 Z-Hexanone 08-MAY-07 20:32 0.56 ND µg/m³ 1 2.0 2-Hexanone 08-MAY-07 20:32 0.56 ND µg/m³ 1 2.0 Dibromochloromethane 08-MAY-07 20:32 0.56 ND µg/m³ 1 2.0 Dibromochloromethane 08-MAY-07 20:32 0.67 ND µg/m³ 1 2.0 1,2-Dibromoethane 08-MAY-07 20:32 0.119 ND µg/m³ 1 0.5 1,2-Dibromoethane 08-MAY-07 20:32 0.150 ND µg/m³ 1 0.5								
1,1,2-Trichloroethane	trans 1 3 Dighlamanana							
1,1-Trichloroethane	1 1 2 Maishlanash							2.3 -
Tetrachloroethene 08-MAY-07 20:32 0.0847 0.19 ppb v/v J 1 0.5 Tetrachloroethene 08-MAY-07 20:32 0.57 1.3 µg/m³ J 1 3.4 2-Hexanone 08-MAY-07 20:32 0.136 ND ppb v/v 1 0.5 2-Hexanone 08-MAY-07 20:32 0.136 ND ppb v/v 1 0.5 2-Hexanone 08-MAY-07 20:32 0.56 ND µg/m³ 1 2.0 Dibromochloromethane 08-MAY-07 20:32 0.0792 ND ppb v/v 1 0.5 Dibromochloromethane 08-MAY-07 20:32 0.0792 ND ppb v/v 1 0.5 Dibromochloromethane 08-MAY-07 20:32 0.119 ND µg/m³ 1 4.2 1,2-Dibromoethane 08-MAY-07 20:32 0.119 ND µg/m³ 1 3.8 Chlorobenzene 08-MAY-07 20:32 0.91 ND µg/m³ 1 3.8 Chlorobenzene 08-MAY-07 20:32 0.91 ND µg/m³ 1 3.8 Chlorobenzene 08-MAY-07 20:32 0.0882 ND ppb v/v 1 0.5 Chlorobenzene 08-MAY-07 20:32 0.150 0.71 ppb v/v 1 0.5 Ethylbenzene 08-MAY-07 20:32 0.65 3.1 µg/m³ 1 2.3 Ethylbenzene 08-MAY-07 20:32 0.65 3.1 µg/m³ 1 2.2 Em,p-Xylene 08-MAY-07 20:32 0.213 1.0 ppb v/v 1 0.5 En,p-Xylene 08-MAY-07 20:32 0.213 1.0 ppb v/v 1 1.0 m,p-Xylene 08-MAY-07 20:32 0.92 4.4 µg/m³ 1 2.2 En,p-Xylene 08-MAY-07 20:32 0.92 4.4 µg/m³ 1 2.2 Styrene 08-MAY-07 20:32 0.49 2.0 µg/m³ J 2.2 Styrene 08-MAY-07 20:32 0.49 2.0 µg/m³ J 2.2 Styrene 08-MAY-07 20:32 0.0748 ND ppb v/v J 0.5 Styrene 08-MAY-07 20:32 0.0884 ND ppb v/v J 0.5 Styrene 08-MAY-07 20:32 0.0884 ND ppb v/v J 0.5 Bromoform 08-MAY-07 20:32 0.0884 ND ppb v/v J 0.5 Bromoform 08-MAY-07 20:32 0.090 ND µg/m³ J 2.1 Bromoform 08-MAY-07 20:32 0.090 ND µg/m³ 1 5.1 Styrent 08-MAY-07 20:32 0.090 ND µg/m³ 1 5.1 Styrent 08-MAY-07 20:32 0.090 ND µg/m³ 1 5.1 Styrent 08-MAY-07 20:32 0.090 ND µg/m³ 1 5.1								
Tetrachloroethene								2.7
2-Hexanone								0.5
2-Hexanone 08-MAY-07 20:32 0.56 ND μg/m³ 1 2.0						J		3.4
Dibromochloromethane								
Dibromochloromethane								
1,2-Dibromoethane 08-MAY-07 20:32 0.119 ND ppb v/v 1 0.5 1,2-Dibromoethane 08-MAY-07 20:32 0.91 ND µg/m³ 1 3.8 Chlorobenzene 08-MAY-07 20:32 0.0882 ND ppb v/v 1 0.5 Chlorobenzene 08-MAY-07 20:32 0.41 ND µg/m³ 1 2.3 Ethylbenzene 08-MAY-07 20:32 0.150 0.71 ppb v/v 1 0.5 Ethylbenzene 08-MAY-07 20:32 0.65 3.1 µg/m³ 1 2.2 m,p-Xylene 08-MAY-07 20:32 0.213 1.0 ppb v/v 1 1.0 m,p-Xylene 08-MAY-07 20:32 0.113 0.45 ppb v/v 1 1.0 o-Xylene 08-MAY-07 20:32 0.113 0.45 ppb v/v J 1 0.5 o-Xylene 08-MAY-07 20:32 0.113 0.45 ppb v/v J 1 0.5 o-Xylene 08-MAY-07 20:32 0.94 2.0 µg/m³ J 1 0.5 Styrene 08-MAY-07								
1,2-Dibromoethane								4.2
Chlorobenzene 08-MAY-07 20:32 0.0882 ND ppb v/v ND ppb v/v 1 0.5 Chlorobenzene 08-MAY-07 20:32 0.41 ND µg/m³ 1 2.3 Ethylbenzene 08-MAY-07 20:32 0.150 0.71 ppb v/v 1 0.5 Ethylbenzene 08-MAY-07 20:32 0.65 3.1 µg/m³ 1 2.2 m,p-Xylene 08-MAY-07 20:32 0.213 1.0 ppb v/v 1 1.0 m,p-Xylene 08-MAY-07 20:32 0.92 4.4 µg/m³ 1 4.3 o-Xylene 08-MAY-07 20:32 0.113 0.45 ppb v/v J 1 0.5 o-Xylene 08-MAY-07 20:32 0.113 0.45 ppb v/v J 1 0.5 o-Xylene 08-MAY-07 20:32 0.49 2.0 µg/m³ J 1 2.2 Styrene 08-MAY-07 20:32 0.0748 ND ppb v/v J 1 0.5 Styrene 08-MAY-07 20:32 0.32 ND µg/m³ J 2.1 Bromoform 08-MAY-07 20:32 0.0884 ND ppb v/v J 1 0.5 Bromoform 08-MAY-07 20:32 0.0884 ND ppb v/v J 1 0.5 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.108 ND ppb v/v J 1 0.5 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.108 ND ppb v/v J 1 0.5 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.108 ND ppb v/v J 1 0.5 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.108 ND ppb v/v J 1 0.5								0.5
Chlorobenzene								
Ethylbenzene 08-MAY-07 20:32 0.150 0.71 ppb v/v 1 0.5 Ethylbenzene 08-MAY-07 20:32 0.65 3.1 µg/m³ 1 2.2 m,p-Xylene 08-MAY-07 20:32 0.213 1.0 ppb v/v 1 1.0 m,p-Xylene 08-MAY-07 20:32 0.92 4.4 µg/m³ 1 4.3 o-Xylene 08-MAY-07 20:32 0.113 0.45 ppb v/v J 1 0.5 o-Xylene 08-MAY-07 20:32 0.49 2.0 µg/m³ J 1 2.2 Styrene 08-MAY-07 20:32 0.0748 ND ppb v/v 1 0.5 Styrene 08-MAY-07 20:32 0.32 ND µg/m³ 1 2.1 Bromoform 08-MAY-07 20:32 0.0884 ND ppb v/v 1 0.5 Bromoform 08-MAY-07 20:32 0.90 ND µg/m³ 1 5.1 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.108 ND <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
Ethylbenzene								
Ethylbenzene 08-MAY-07 20:32 0.65 3.1 µg/m³ 1 2.2 m,p-Xylene 08-MAY-07 20:32 0.213 1.0 ppb v/v 1 1.0 m,p-Xylene 08-MAY-07 20:32 0.92 4.4 µg/m³ 1 4.3 0.45 ppb v/v J 1 0.5							11	0.5
m,p-Xylene							1	
o-Xylene 08-MAY-07 20:32 0.113 0.45 ppb v/v J 1 0.5 o-Xylene 08-MAY-07 20:32 0.49 2.0 µg/m³ J 1 2.2 Styrene 08-MAY-07 20:32 0.0748 ND ppb v/v 1 0.5 Styrene 08-MAY-07 20:32 0.32 ND µg/m³ 1 2.1 Bromoform 08-MAY-07 20:32 0.0884 ND ppb v/v 1 0.5 Bromoform 08-MAY-07 20:32 0.90 ND µg/m³ 1 5.1 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.108 ND ppb v/v 1 0.5 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.74 ND µg/m³ 1 3.4							1	1.0
o-Xylene 08-MAY-07 20:32 0.49 2.0 ug/m³ J 1 2.2 Styrene 08-MAY-07 20:32 0.0748 ND ppb v/v 1 0.5 Styrene 08-MAY-07 20:32 0.32 ND ug/m³ 1 2.1 Bromoform 08-MAY-07 20:32 0.0884 ND ppb v/v 1 0.5 Bromoform 08-MAY-07 20:32 0.90 ND ug/m³ 1 5.1 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.108 ND ppb v/v 1 0.5 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.74 ND ug/m³ 1 3.4							1	4.3
Styrene 08-MAY-07 20:32 0.0748 ND ppb v/v 1 0.5 Styrene 08-MAY-07 20:32 0.32 ND µg/m³ 1 2.1 Bromoform 08-MAY-07 20:32 0.0884 ND ppb v/v 1 0.5 Bromoform 08-MAY-07 20:32 0.90 ND µg/m³ 1 5.1 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.108 ND ppb v/v 1 0.5 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.108 ND ppb v/v 1 0.5 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.108 ND ppb v/v 1 0.5 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.74 ND µg/m³ 1 3.4						J		0.5
Styrene 08-MAY-07 20:32 0.0748 ND ppb v/v 1 0.5 Styrene 08-MAY-07 20:32 0.32 ND µg/m³ 1 2.1 Bromoform 08-MAY-07 20:32 0.0884 ND ppb v/v 1 0.5 Bromoform 08-MAY-07 20:32 0.90 ND µg/m³ 1 5.1 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.108 ND ppb v/v 1 0.5 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.74 ND µg/m³ 1 3.4 1,0,5 1 0.5 1,0,0 1 0.5 1,0						J	1	2.2
Styrene							1	
Bromoform				ND			1	
Bromoform 08-MAY-07 20:32 0.90 ND µg/m³ 1 5.1 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.108 ND ppb v/v 1 0.5 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.74 ND µg/m³ 1 3.4				ND			1	
1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.108 ND ppb v/v 1 0.5 1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.74 ND µg/m³ 1 3.4		08-MAY-07 20:32		ND	µg/m³		1	
1,1,2,2-Tetrachloroethane 08-MAY-07 20:32 0.74 ND µg/m³ 1 3.4				ND	ppb v/v		1	
Rengy Chlorido				ND	μg/m³			
	Benzyl Chloride	08-MAY-07 20:32	0.136	ND	ppb v/v			0.5



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3.7

0.5

5.3

SAMPLE ANALYSIS DATA SHEET

Date Printed....: 14-MAY-07 11:18 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02432 DCL Report Group..: 07E-0367-01

Analytical Results

1,2,4-Trichlorobenzene

Hexachlorobutadiene

Hexachlorobutadiene

Date Analyte Analyzed MDL Result Units Qual. Dilution PQL Benzyl Chloride 08-MAY-07 20:32 0.70 ND μg/m³ 2.6 4-Ethyl toluene 08-MAY-07 20:32 0.0983 ND ppb v/v 0.5 4-Ethyl toluene 08-MAY-07 20:32 0.48 NDµg/m³ 2.5 1,3,5-Trimethylbenzene 08-MAY-07 20:32 0.14 ppb v/v 1 0.5 1,3,5-Trimethylbenzene 08-MAY-07 20:32 0.55 0.67 μg/m³ 2.5 08-MAY-07 20:32 1,2,4-Trimethylbenzene 0.117 0.55 ppb v/v 0.5 1,2,4-Trimethylbenzene 08-MAY-07 20:32 0.58 2.7 μg/m³ 1 2.5 08-MAY-07 20:32 08-MAY-07 20:32 1,3-Dichlorobenzene 0.120 ND ppb v/v 0.5 1,3-Dichlorobenzene ND μg/m³ 3.0 08-MAY-07 20:32 1,4-Dichlorobenzene 0.0987 ND ppb v/v 0.5 1,4-Dichlorobenzene 08-MAY-07 20:32 0.59 ND μg/m³ 3.0 08-MAY-07 20:32 1,2-Dichlorobenzene 0.0851 ND ppb v/v 0.5 1,2-Dichlorobenzene 08-MAY-07 20:32 0.51 ND μg/m³ 3.0 08-MAY-07 20:32 1,2,4-Trichlorobenzene 0.115 ND ()J ppb v/v 0.5

0.85

0.119

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Isobutane(4.54)	08-MAY-07 20:32	3.9	v\v dag	J	1
Butane(4.81)	08-MAY-07 20:32	17.	v\v dag	J	1 1
Ethanol(5.33)	08-MAY-07 20:32	2.2	ppb v/v	J	1
Isopropyl Alcohol(5.92)	08-MAY-07 20:32	10.	ppb v/v	J	1 1

08-MAY-07 20:32

08-MAY-07 20:32

08-MAY-07 20:32

ND UJ

ND UT

μg/m³

ppb v/v

µg/m³



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 14-MAY-07 11:18

Client Name....: Weston Solutions, Inc.

Client Ref Number . . . : Not Provided

Sampling Site..... Behr VOC Plume PRP

Release Number....: 055729

Date Received.....: 07-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared...... Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL Net Weight/Volume...: Not Required

Client Sample Name: EPA-25-SS DCL Sample Name...: 07E02433 DCL Report Group..: 07E-0367-01

Matrix.....AIR

Date Sampled....: 03-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis....:

☒ As Received ☐ Dried

DCL Analysis Group: G074801F Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-W Column Type.....: DB-1

> X Primary ☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	DOI
Propene	10-MAY-07 08:19	0.180	ND	ppb v/v	Quar.	1	PQL
Propene	10-MAY-07 08:19	0.31	ND	hd/w ₃	 	$\frac{1}{1}$	0.5
Dichlorodifluoromethane	10-MAY-07 08:19	0.0669	0.66 7	v/v dag		$\frac{1}{1}$	0.86
Dichlorodifluoromethane	10-MAY-07 08:19	0.33	3.3 7	na/w ₃		1	0.5
Chloromethane	10-MAY-07 08:19	0.249	ND	ppb v/v		1	2.5
Chloromethane	10-MAY-07 08:19	0.51	ND	hd/w ₃		$\frac{1}{1}$	0.5
Freon 114	10-MAY-07 08:19	0.156	ND	ν/ν dag			1.0
Freon 114	10-MAY-07 08:19	1.1	ND	ug/m³		1 1	0.5 3.5
Vinyl Chloride	10-MAY-07 08:19	0.301	ND	ppb v/v		1	
Vinyl Chloride	10-MAY-07 08:19	0.77	ND	nd/m3		1	0.5
1,3-Butadiene	10-MAY-07 08:19	0.346	ND	ppb v/v		1	1.3
1,3-Butadiene	10-MAY-07 08:19	0.77	ND	ug/m³		$\frac{1}{1}$	0.5
Bromomethane	10-MAY-07 08:19	0.215	ND	ppb v/v		$\frac{1}{1}$	1.1
Bromomethane	10-MAY-07 08:19	0.83	ND	ha/w ₃			0.5
Chloroethane	10-MAY-07 08:19	0.388	ND	y\v dqq		1	1.9
Chloroethane	10-MAY-07 08:19	1.0	ND	nd/w ₃		1 1	0.5
Freon 11	10-MAY-07 08:19	0.0921	0.27	ppb v/v	-	1	1.3 -
Freon 11	10-MAY-07 08:19	0.52	1.5	nd/w ₃	J J	$\begin{array}{c c} 1 \\ \hline 1 \end{array}$	0.5
cis-1,2-Dichloroethene	10-MAY-07 08:19	0.102	ND	ppb v/v	U		2.8
cis-1,2-Dichloroethene	10-MAY-07 08:19	0.40	ND	na/w3		1	0.5
Carbon Disulfide	10-MAY-07 08:19	0.111	0.37	v\v dag	J	1	2.0
Carbon Disulfide	10-MAY-07 08:19	0.35	1.2	hd/w ₃	J	$\frac{1}{1}$	0.5
Freon 113	10-MAY-07 08:19	0.0950	ND	v/v dag		1	1.6
Freon 113	10-MAY-07 08:19	0.73	ND	nd/w ₃			0.5
Acetone	10-MAY-07 08:19	0.113	18.	v\v daa	В	1	3.8
Acetone	10-MAY-07 08:19	0.27	42.	nd/w ₃	В	1 1	0.5
Methylene Chloride	10-MAY-07 08:19	0.168	ND ND	ppb v/v	 		1.2
Methylene Chloride	10-MAY-07 08:19	0.58	ND	nd/m3		1	0.5
trans-1,2-Dichloroethene	10-MAY-07 08:19	0.118	ND	v\v dqq		$\frac{1}{1}$	1.7
trans-1,2-Dichloroethene	10-MAY-07 08:19	0.47	ND	na/w ₃			0.5
1,1-Dichloroethane	10-MAY-07 08:19	0.116	ND	v/v dag		1 +	2.0
1,1-Dichloroethane	10-MAY-07 08:19	0.47	ND	hd/w ₃		1	0.5
Methyl t-Butyl Ether	10-MAY-07 08:19	0.147	ND	ppb v/v		1	2.0
Methyl t-Butyl Ether	10-MAY-07 08:19	0.53	ND	hd/w ₃		1	0.5
Vinyl Acetate	10-MAY-07 08:19	0.133	ND	v\v dag		1	1.8
Vinyl Acetate	10-MAY-07 08:19	0.47	ND	hd/w ₃		1	0.5
1,1-Dichloroethene	10-MAY-07 08:19	0.109	ND	ppb v/v		1	1.8
1,1-Dichloroethene	10-MAY-07 08:19	0.43	ND			1	0.5
2-Butanone	10-MAY-07 08:19	0.43	1.5	ng/m³		1	2.0
2-Butanone	10-MAY-07 08:19	0.54	4.4	ppb v/v		1	0.5
Ethyl Acetate	10-MAY-07 08:19	0.34	ND ND	μg/m³ ppb v/v		1	1.5 0.5

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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 14-MAY-07 11:18 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02433 DCL Report Group..: 07E-0367-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	IIn:+-	0	D: 1	
Ethyl Acetate	10-MAY-07 08:19			Units	Qual.	Dilution	PQL
Hexane	10-MAY-07 08:19	0.121	3.3	µg/m³	 	1 1	1.8
Hexane	10-MAY-07 08:19	0.121	12.	v/v dqq	ļ	1	0.5
Chloroform	10-MAY-07 08:19	0.115		µg/m³	ļ	1 1	1.8
Chloroform	10-MAY-07 08:19	0.115	ND	ppb v/v	<u> </u>	1 1	0.5
1,1,1-Trichloroethane	10-MAY-07 08:19		ND	nd/w3		1	2.4
1,1,1-Trichloroethane	10-MAY-07 08:19	0.0725	ND UJ			1 1	0.5
Carbon Tetrachloride	10-MAY-07 08:19	0.40	NDU			1	2.7
Carbon Tetrachloride	10-MAY-07 08:19	0.0657	ND VJ		<u> </u>	1	0.5
Benzene	10-MAY-07 08:19	0.41	ND U			1 1	3.1
Benzene	10-MAY-07 08:19	0.102	1.5	ppb v/v		1	0.5
Tetrahydrofuran	10-MAY-07 08:19	0.33	4.8	µg/m³		1	1.6
Tetrahydrofuran	10-MAY-07 08:19	0.227	NDUJ			1	0.5
1,2-Dichloroethane		0.67	ND UJ			1	1.5
1,2-Dichloroethane	10-MAY-07 08:19	0.153	ND	ppb v/v		1	0.5
Cyclohexane	10-MAY-07 08:19	0.62	ND	μg/m³		1	2.0
Cyclohexane	10-MAY-07 08:19	0.120	1.4	ppb v/v		1	0.5
Trichloroethene	10-MAY-07 08:19	0.41	4.8	µg/m³		1	1.7
Trichloroethene	10-MAY-07 08:19	0.120	ND	ppb v/v		1	0.5
1,2-Dichloropropane	10-MAY-07 08:19	0.64	ND	µg/m³		1.	2.7
1,2-Dichloropropane	10-MAY-07 08:19	0.123	ND	ppb v/v		1	0.5
Bromodichloromethane	10-MAY-07 08:19	0.57	ND	µg/m³		1	2.3
Bromodichloromethane	10-MAY-07 08:19	0.0779	ND	ppb v/v		1	0.5
Heptane	10-MAY-07 08:19	0.52	ND	µg/m³		1	3.3
	10-MAY-07 08:19	0.101	2.3	ppb v/v		1	0.5
Heptane	10-MAY-07 08:19	0.41	9.5	µg/m³		1	2.0
cis-1,3-Dichloropropene	10-MAY-07 08:19	0.106	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	10-MAY-07 08:19	0.48	ND	μg/m³		1	2.3
4-Methyl-2-Pentanone	10-MAY-07 08:19	0.116	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	10-MAY-07 08:19	0.48	ND	µg/m³		1	2.0
Toluene	10-MAY-07 08:19	0.115	4.0	ppb v/v		1	0.5
Toluene	10-MAY-07 08:19	0.43	15.	µg/m³		1	1.9
trans-1,3-Dichloropropene	10-MAY-07 08:19	0.130	ND	ppb v/v		1 1	0.5
trans-1,3-Dichloropropene	10-MAY-07 08:19	0.59	ND	μg/m³		1	2.3 -
1,1,2-Trichloroethane	10-MAY-07 08:19	0.0972	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	10-MAY-07 08:19	0.53	ND	µg/m³		1	27
Tetrachloroethene	10-MAY-07 08:19	0.0847	0.19	ppb v/v	J	1	0.5
Tetrachloroethene	10-MAY-07 08:19	0.57	1.3	µg/m³	J	1	3.4
2-Hexanone	10-MAY-07 08:19	0.136	ND	ppb v/v		1	0.5
2-Hexanone	10-MAY-07 08:19	0.56	ND	ua/m³		1	2.0
Dibromochloromethane	10-MAY-07 08:19	0.0792	ND	ppb v/v		1	0.5
Dibromochloromethane	10-MAY-07 08:19	0.67	ND	µg/m³		1	4.2
1,2-Dibromoethane	10-MAY-07 08:19	0.119	ND	ppb v/v		1	0.5
1,2-Dibromoethane	10-MAY-07 08:19	0.91	ND	µg/m³		1	
Chlorobenzene	10-MAY-07 08:19	0.0882	ND	ppb v/v		1	3.8
Chlorobenzene	10-MAY-07 08:19	0.41	ND	hd/w ₃		1	0.5
Ethylbenzene	10-MAY-07 08:19	0.150	1.8	ppb v/v		1	
Ethylbenzene	10-MAY-07 08:19	0.65	7.8	na/w3		$\frac{1}{1}$	0.5
n,p-Xylene	10-MAY-07 08:19	0.213	2.3	ppb v/v			2.2
n,p-Xylene	10-MAY-07 08:19	0.92	10.	hd/w ₃		1	1.0
o-Xylene	10-MAY-07 08:19	0.113	1.1	ppb v/v		1	4.3
o-Xylene	10-MAY-07 08:19	0.49	4.7	hd/w ₃		1	0.5
Styrene	10-MAY-07 08:19	0.0748	ND			1	2.2
Styrene	10-MAY-07 08:19	0.32	ND	ppb v/v		1	0.5
Bromoform	10-MAY-07 08:19	0.0884	ND	µg/m³		1	2.1
Bromoform	10-MAY-07 08:19	0.90		ppb v/v		1	0.5
.,1,2,2-Tetrachloroethane	10-MAY-07 08:19	0.108	ND	µg/m³		1	5.1
.,1,2,2-Tetrachloroethane	10-MAY-07 08:19	0.108	ND	v/v dqq		1	0.5
Senzyl Chloride	10-MAY-07 08:19		ND	nd/w3		1	3.4
	110-HH1-0/ 08:19	0.136	ND	ppb v/v		1	0.5

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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 14-MAY-07 11:18 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02433 DCL Report Group..: 07E-0367-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual	Dilution	PQL
Benzyl Chloride	10-MAY-07 08:19	0.70	ND	ug/m³	guar.	1	2.6
4-Ethyl toluene	10-MAY-07 08:19	0.0983	0.28	v/v dag	J	1 1	
4-Ethyl toluene	10-MAY-07 08:19	0.48	1.4	nd/m3	J	1 1	0.5 2.5
1,3,5-Trimethylbenzene	10-MAY-07 08:19	0.112	0.42	ppb v/v	J	 	
1,3,5-Trimethylbenzene	10-MAY-07 08:19	0.55	2.1	na/w3	J	 	0.5 2.5
1,2,4-Trimethylbenzene	10-MAY-07 08:19	0.117	1.5	v\v dag		+ +	0.5
1,2,4-Trimethylbenzene	10-MAY-07 08:19	0.58	7.2	hd/w ₃		1 1	2.5
1,3-Dichlorobenzene	10-MAY-07 08:19	0.120	ND	v\v dag		1	0.5
1,3-Dichlorobenzene	10-MAY-07 08:19	0.72	ND	nd/w3		1	3.0
1,4-Dichlorobenzene	10-MAY-07 08:19	0.0987	ND	v/v dag		1	
1,4-Dichlorobenzene	10-MAY-07 08:19	0.59	ND	nd/m3		1 1	0.5 3.0
1,2-Dichlorobenzene	10-MAY-07 08:19	0.0851	ND	ppb v/v		 	
1,2-Dichlorobenzene	10-MAY-07 08:19	0.51	ND	nd/w3		1 1	0.5
1,2,4-Trichlorobenzene	10-MAY-07 08:19	0.115	LU DN	ppb v/v			3.0
1,2,4-Trichlorobenzene	10-MAY-07 08:19	0.85	ND U3	hd/w ₃		1	0.5 3.7
Hexachlorobutadiene	10-MAY-07 08:19	0.119	LUCIN	v/v dag	·	1	
Hexachlorobutadiene	10-MAY-07 08:19	1.3	ND (13	hd/m3		1	0.5 5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Oual	Dilution
Methane, chlorodifluoro-(4.15)	10-MAY-07 08:19	9.3	ppb v/v	J	1
Isobutane(4.53)	10-MAY-07 08:19	6.4	ppb v/v	J	1 1
Butane(4.79)	10-MAY-07 08:19	4.0	y\v dag	J	
Ethanol (5.27)	10-MAY-07 08:19	7.1	v\v dag	J	1 1
Pentane(6.11)	10-MAY-07 08:19	3.3	v\v dag	.т	1
Pentane, 2-methyl-(7.54)	10-MAY-07 08:19	2.9	ppb v/v	J	1 1
CYCLOPENTANE, METHYL-(8.98)	10-MAY-07 08:19	2.5	v\v dqq	J	1 1
CYCLOHEXANE, METHYL-(11.35)	10-MAY-07 08:19	3.1	v\v daa	J	1

BEHR VOC PLUME SITE DAYTON, OHIO DATA VALIDATION REPORT

Date: June 5, 2007

Laboratory: DataChem Laboratories, Inc. (DataChem), Salt Lake City, Utah

Laboratory SDG #/Set ID #: BEHR/07E-0376-01

Data Validation Performed By: Lisa Graczyk, Dynamac Corporation (Dynamac),

subcontractor to Weston Solutions, Inc. (Weston)

Weston Analytical Work Order #/TDD #: 20405.016.003.0121.00/S05-0612-007

This data validation report has been prepared by Dynamac, a Weston subcontractor, under the START III Region V contract. This report documents the data validation of air samples collected for the Behr VOC Plume Site that were analyzed for Volatile Organic Compounds (VOC) by U.S. Environmental Protection Agency (U.S. EPA) method TO-15. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Organic Data Review" dated October 1999.

VOCs in Air by U.S. EPA Method TO15

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

<u>Samples</u>	<u>Lab ID</u>	<u>Matrix</u>	<u>Date</u> <u>Collected</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>
EPA-26-SS	07E02466	Air	05/07/07	NA	05/09/07
EPA-27-IA	07E02467	Air	05/07/07	NA	05/09/07

2. <u>Holding Times</u>

The samples were analyzed within the required holding time limit of 30 days from sample collection in accordance with method TO-15.

3. Instrument Performance Check

The instrument performance check using bromofluorobenzene (BFB) was performed within the 24-hour period for which the samples were analyzed as required for method TO-15. The BFB standard met the ion abundance criteria specified in method TO-15.

Laboratory WO #: BEHR/07E-0376-01

4. <u>Initial Calibration</u>

For the initial calibration, the percent relative standard deviations (%RSD) for all compounds were less than 30 percent except for 1,2,4-trichlorobenzene and hexachlorobutadiene. The quantitation limits for these two compounds were flagged "UJ" as estimated for this discrepancy. The average relative response factors were all greater than 0.05.

5. <u>Continuing Calibration</u>

The percent differences (%D) in the continuing calibration standard for all target compounds were within the control limit of less than or equal to 25 percent.

6. Blanks

The method blank associated with the samples was free of target compound contamination except for acetone which was detected at 0.35 part per billion. Because the acetone detection in sample EPA-26-SS was at less than 10 times the blank concentration, the result was flagged "U" as not detected.

7. Surrogates

The 4-bromofluorobenzene surrogate spike recovery in the sample was within the quality control (QC) limits.

8. <u>Laboratory Control Sample (LCS)</u>

All LCS recoveries and LCS duplicate recoveries were within the laboratory-established QC limits of 70 to 130 percent recovery except for 1,2,4-trichlorobenzene and hexachlorobutadiene which were detected low in the LCS. The quantitation limits for these two compounds were flagged "UJ" as estimated in the samples.

9. <u>Internal Standard Results</u>

The internal standard area counts in the samples were within -50 percent to +100 percent of the area counts of the associated continuing calibration standard. The retention time of the internal standards did not vary more than ± 30 seconds from the retention time of the associated continuing calibration standard.

Data Validation Report Behr VOC Plume Site DataChem Laboratories

Laboratory WO #: BEHR/07E-0376-01

10. Target Compound Identification

A spot-check was performed of the mass spectra for detected compounds. The spot-check confirmed compound identification. DataChem appropriately flagged those results detected above the method detection limit but below the quantitation limit as "J" or estimated.

Data Validation Report Behr VOC Plume Site DataChem Laboratories Laboratory WO #: BEHR/07E-0376-01

ATTACHMENT

DATACHEM LABORATORIES RESULTS SUMMARY



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 16-MAY-07 09:51

Client Name.....: Weston Solutions, Inc.

Client Ref Number...: 0055729

Sampling Site..... Behr VOC Plume PRP

Release Number.....: 0055729

Date Received.....: 09-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared......: Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume...: Not Required

Client Sample Name: EPA-26-SS
DCL Sample Name...: 07E02466
DCL Report Group..: 07E-0376-01

Matrix.......... AIR

Date Sampled....: 07-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis....:

☒ As Received ☐ Dried

DCL Analysis Group: G074G01G
Analysis Method...: T0-15
Instrument Type...: GC/MS V0
Instrument ID....: 5972-W
Column Type....: DB-1

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	POL
Propene	09-MAY-07 12:34	0.180	ND	v\v daa	~	1	0.5
Propene	09-MAY-07 12:34	0.31	ND	ug/m³		1 1	0.86
Dichlorodifluoromethane	09-MAY-07 12:34	0.0669	0.59	ppb v/v		1 1	0.5
Dichlorodifluoromethane	09-MAY-07 12:34	0.33	2.9	ug/m³	 	1 1	2.5
Chloromethane	09-MAY-07 12:34	0.249	ND	ppb v/v	 	1 1	0.5
Chloromethane	09-MAY-07 12:34	0.51	ND	na/w3	 	1	1.0
Freon 114	09-MAY-07 12:34	0.156	ND	v\v dag	 	1 1	0.5
Freon 114	09-MAY-07 12:34	1.1	ND	ug/m³		$\frac{1}{1}$	3.5
Vinyl Chloride	09-MAY-07 12:34	0.301	ND	ppb v/v		$\frac{1}{1}$	0.5
Vinyl Chloride	09-MAY-07 12:34	0.77	ND	hd/w3		$\frac{1}{1}$	1.3
1,3-Butadiene	09-MAY-07 12:34	0.346	ND	v\v dgg		$\frac{1}{1}$	0.5
1,3-Butadiene	09-MAY-07 12:34	0.77	ND	nd/w3		$\frac{1}{1}$	1.1
Bromomethane	09-MAY-07 12:34	0.215	ND	v\v daa		$\frac{1}{1}$	0.5
Bromomethane	09-MAY-07 12:34	0.83	ND	hd/w ₃			
Chloroethane	09-MAY-07 12:34	0.388	ND	v/v daa		1 1	1.9
Chloroethane	09-MAY-07 12:34	1.0	ND	ug/m³			0.5
Freon 11	09-MAY-07 12:34	0.0921	0.25	v/v dga		1	1.3
Freon 11	09-MAY-07 12:34	0.52	1.4	nd/w ₃	J	1 1	0.5
cis-1,2-Dichloroethene	09-MAY-07 12:34	0.102	ND	v/v daa	J	1	2.8
cis-1,2-Dichloroethene	09-MAY-07 12:34	0.40	ND	ha/w ₃		1 1	0.5
Carbon Disulfide	09-MAY-07 12:34	0.111	ND	v\v daa		1 1	2.0
Carbon Disulfide	09-MAY-07 12:34	0.35	ND	na/w ₃		1	0.5
Freon 113	09-MAY-07 12:34	0.0950	ND	μg/m³		1	1.6
Freon 113	09-MAY-07 12:34	0.73	ND .	ha/w3		1 1	0.5
Acetone	09-MAY-07 12:34	0.113	3.1 1			1	3.8
Acetone	09-MAY-07 12:34	0.113	7.3	ppb v/v	<u>B</u>	1	0.5
Methylene Chloride	09-MAY-07 12:34	0.168	ND ND	µg/m³	В	1	1.2
Methylene Chloride	09-MAY-07 12:34	0.58	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	09-MAY-07 12:34	0.118	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	09-MAY-07 12:34	0.47	ND	ppb v/v		1	0.5
1,1-Dichloroethane	09-MAY-07 12:34	0.116	ND	µg/m³		1	2.0
1,1-Dichloroethane	09-MAY-07 12:34	0.47	ND	v/v dqq		1	0.5
Methyl t-Butyl Ether	09-MAY-07 12:34	0.147	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	09-MAY-07 12:34	0.53	ND	v/v dqq		1	0.5
Vinyl Acetate	09-MAY-07 12:34	0.33		ug/m³		1	1.8
Vinyl Acetate	09-MAY-07 12:34	0.133	ND	ppb v/v		1	0.5
1,1-Dichloroethene	09-MAY-07 12:34		ND	µg/m³		11	1.8
1,1-Dichloroethene	09-MAY-07 12:34	0.109	ND	ppb v/v		1	0.5
2-Butanone	09-MAY-07 12:34	0.43	ND	µg/m³		1	2.0
2-Butanone	09-MAY-07 12:34 09-MAY-07 12:34	0.182	0.48	v/v dqq	J	1	0.5
Ethyl Acetate	09-MAY-07 12:34 09-MAY-07 12:34	0.54	1.4	µg/m³	J	1	1.5
	103-MAI-0/ 12:34	0.273	ND	v/v dqq		1	0.5

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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 16-MAY-07 09:51 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02466 DCL Report Group..: 07E-0376-01

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Ethyl Acetate	09-MAY-07 12:34	0.98	ND	ug/m³		1	1.8
Hexane	09-MAY-07 12:34	0.121	1.2	ppb v/v	 	1 1	0.5
Hexane	09-MAY-07 12:34	0.43	4.1	µq/m³		1	1.8
Chloroform	09-MAY-07 12:34	0.115	ND	v/v dag		1	0.5
Chloroform	09-MAY-07 12:34	0.56	ND	ug/m³		1 1	2.4
1,1,1-Trichloroethane	09-MAY-07 12:34	0.0725	ND	ppb v/v		1 1	0.5
1,1,1-Trichloroethane	09-MAY-07 12:34	0.40	ND	µg/m³		$\frac{1}{1}$	2.7
Carbon Tetrachloride	09-MAY-07 12:34	0.0657	ND	ppb v/v		$\frac{1}{1}$	0.5
Carbon Tetrachloride	09-MAY-07 12:34	0.41	ND	ug/m³		1 1	3.1
Benzene	09-MAY-07 12:34	0.102	0.56	ppb v/v	ļ	$\frac{1}{1}$	0.5
Benzene	09-MAY-07 12:34	0.33	1.8	hd/w ₃		$+\frac{1}{1}$	
Tetrahydrofuran	09-MAY-07 12:34	0.227	ND	ppb v/v		$\frac{1}{1}$	1.6
Tetrahydrofuran	09-MAY-07 12:34	0.67	ND	nd/w ₃		1 1	0.5
1,2-Dichloroethane	09-MAY-07 12:34	0.153	ND	ppb v/v			1.5
1,2-Dichloroethane	09-MAY-07 12:34	0.62	ND			1	0.5
Cyclohexane	09-MAY-07 12:34	0.120	ND	µg/m³		1	2.0
Cyclohexane	09-MAY-07 12:34	0.41	ND	ppb v/v		1	0.5
Trichloroethene	09-MAY-07 12:34	0.120		µg/m³		1	1.7
Trichloroethene	09-MAY-07 12:34 09-MAY-07 12:34	0.120	ND	ppb v/v		1	0.5
1,2-Dichloropropane	09-MAY-07 12:34		ND	µg/m³		1	2.7
1,2-Dichloropropane	09-MAY-07 12:34 09-MAY-07 12:34	0.123	ND	v/v dqq		1	0.5
Bromodichloromethane		0.57	ND	μg/m³		1	2.3
Bromodichloromethane	09-MAY-07 12:34	0.0779	ND	ppb v/v		1	0.5
Heptane .	09-MAY-07 12:34	0.52	ND	μg/m³		1	3.3
	09-MAY-07 12:34	0.101	0.90	v/v dqq	***	1	0.5
Heptane	09-MAY-07 12:34	0.41	3.7	µg/m³		1	2.0
cis-1,3-Dichloropropene	09-MAY-07 12:34	0.106	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	09-MAY-07 12:34	0.48	ND	µg/m³		1	2.3
4-Methyl-2-Pentanone	09-MAY-07 12:34	0.116	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	09-MAY-07 12:34	0.48	ND	ug/m³		1	2.0
Toluene	09-MAY-07 12:34	0.115	3.4	ppb v/v		1	0.5
Toluene	09-MAY-07 12:34	0.43	13.	ug/m³		1	1.9
trans-1,3-Dichloropropene	09-MAY-07 12:34	0.130	ND	ppb v/v	***	1	0.5
trans-1,3-Dichloropropene	09-MAY-07 12:34	0.59	ND	µq/m³		1	2.3 -
1,1,2-Trichloroethane	09-MAY-07 12:34	0.0972	ND	v/v dag		1	0.5
1,1,2-Trichloroethane	09-MAY-07 12:34	0.53	ND	na/w3		1	2.7
Tetrachloroethene	09-MAY-07 12:34	0.0847	0.16	v\v dag	J	1	0.5
Tetrachloroethene	09-MAY-07 12:34	0.57	1.1	nd/m3	J		
2-Hexanone	09-MAY-07 12:34	0.136	ND	v/v dag	- 0	1	3.4
2-Hexanone	09-MAY-07 12:34	0.56	ND	nd/w ₃			0.5
Dibromochloromethane	09-MAY-07 12:34	0.0792	ND	ppb v/v		1	2.0
Dibromochloromethane	09-MAY-07 12:34	0.67	ND	hd/w ₃		1	0.5
1,2-Dibromoethane	09-MAY-07 12:34	0.119	ND	μg/m³ v\v dqq		1	4.2
1,2-Dibromoethane	09-MAY-07 12:34	0.91	ND			1	0.5
Chlorobenzene	09-MAY-07 12:34	0.0882		ug/m³		1	3.8
Chlorobenzene	09-MAY-07 12:34		ND	ppb v/v		1	0.5
Ethylbenzene	09-MAY-07 12:34	0.41	ND	µg/m³		1	2.3
Ethylbenzene		0.150	1.6	ppb v/v		1	0.5
m,p-Xylene	09-MAY-07 12:34	0.65	7.1	µg/m³		1	2.2
m,p-Xylene	09-MAY-07 12:34	0.213	3.7	ppb v/v		1	1.0
o-Xylene	09-MAY-07 12:34	0.92	16.	µg/m³		1	4.3
o-xylene o-Xylene	09-MAY-07 12:34	0.113	1.4	ppb v/v		1	0.5
	09-MAY-07 12:34	0.49	6.0	µg/m³		1	2.2
Styrene	09-MAY-07 12:34	0.0748	0.23	ppb v/v	J	1	0.5
Styrene	09-MAY-07 12:34	0.32	0.98	µg/m³	J	1	2.1
Bromoform	09-MAY-07 12:34	0.0884	ND	ppb v/v		1	0.5
Bromoform	09-MAY-07 12:34	0.90	ND	µg/m³		1	5.1
1,1,2,2-Tetrachloroethane	09-MAY-07 12:34	0.108	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	09-MAY-07 12:34	0.74	ND	µg/m³		1	3.4
Benzyl Chloride	09-MAY-07 12:34	0.136	ND	ppb v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 16-MAY-07 09:51 Client Name....: Weston Solutions, Inc.

DCL Sample Name...: 07E02466
DCL Report Group..: 07E-0376-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Benzyl Chloride	09-MAY-07 12:34	0.70	ND	µg/m³	2	1	2.6
4-Ethyl toluene	09-MAY-07 12:34	0.0983	0.53	v\v daa		1 1	0.5
4-Ethyl toluene	09-MAY-07 12:34	0.48	2.6	ug/m³		1 1	2.5
1,3,5-Trimethylbenzene	09-MAY-07 12:34	0.112	0.63	v\v daa		1 1	0.5
1,3,5-Trimethylbenzene	09-MAY-07 12:34	0.55	3.1	ug/m³		1	2.5
1,2,4-Trimethylbenzene	09-MAY-07 12:34	0.117	2.2	ppb v/v		1 1	0.5
1,2,4-Trimethylbenzene	09-MAY-07 12:34	0.58	11.	µg/m³		1 1	2.5
1,3-Dichlorobenzene	09-MAY-07 12:34	0.120	ND	v\v dag		1 1	0.5
1,3-Dichlorobenzene	09-MAY-07 12:34	0.72	ND	nd/m3		1 1	3.0
1,4-Dichlorobenzene	09-MAY-07 12:34	0.0987	0.88	v/v dqq		1 1	0.5
1,4-Dichlorobenzene	09-MAY-07 12:34	0.59	5.3	µg/m³		1 1	3.0
1,2-Dichlorobenzene	09-MAY-07 12:34	0.0851	ND	v\v daa		1 1	0.5
1,2-Dichlorobenzene	09-MAY-07 12:34	0.51	ND	µg/m³		1 1	3.0
1,2,4-Trichlorobenzene	09-MAY-07 12:34	0.115	ND D	v\v dqq		1	0.5
1,2,4-Trichlorobenzene	09-MAY-07 12:34	0.85	NDUT	nd/w3		1 1	3.7
Hexachlorobutadiene	09-MAY-07 12:34	0.119	NDUT	v/v dag	*****	1 1	0.5
Hexachlorobutadiene	09-MAY-07 12:34	1.3	NDUT	µg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Isobutane(4.54)	09-MAY-07 12:34	2.4	v\v daa	J	1
Ethanol (5.30)	09-MAY-07 12:34	7.1	v\v dag	J	1 1
Undecane(18.71)	09-MAY-07 12:34	5.4	v\v dag	J	1 1
Naphthalene, decahydro-2-methy(19.28)	09-MAY-07 12:34	2.3	v/v dag	J	1 1
Naphthalene, decahydro-1-methy(19.56)	09-MAY-07 12:34	3.1	v\v dag	J	1
Dodecane (20.29)	09-MAY-07 12:34	2.3	v/v dag	ıΤ	1

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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 16-MAY-07 09:51

Client Name..... : Weston Solutions, Inc.

Client Ref Number...: 0055729

Sampling Site..... Behr VOC Plume PRP

Release Number....: 0055729

Date Received...... 09-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared..... Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume...: Not Required

Client Sample Name: EPA-27-IA DCL Sample Name...: 07E02467 DCL Report Group..: 07E-0376-01

Matrix..... AIR

Date Sampled....: 07-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis.....: ☒ As Received □ Dried

DCL Analysis Group: G074G01G Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-W Column Type..... DB-1

> X Primary ☐ Confirmation

Analyte	Date Analyzed	MDL	Result	Units	Oual.	Dilution	POL
Propene	09-MAY-07 13:11	0.180	23.	v/v dag	E	1	0.5
Propene	09-MAY-07 13:11	0.31	40.	na/w ₃	E	1 1	0.86
Dichlorodifluoromethane	09-MAY-07 13:11	0.0669	0.53	ppb v/v		$\frac{1}{1}$	
Dichlorodifluoromethane	09-MAY-07 13:11	0.33	2.6	hd/w3	 	$\frac{1}{1}$	0.5 2.5
Chloromethane	09-MAY-07 13:11	0.249	0.91	ppb v/v		$+$ $\frac{1}{1}$ $+$	0.5
Chloromethane	09-MAY-07 13:11	0.51	1.9	nd/w3		$\frac{1}{1}$	1.0
Freon 114	09-MAY-07 13:11	0.156	ND	v\v dag		$+\frac{1}{1}+$	
Freon 114	09-MAY-07 13:11	1.1	ND	na/w3		1 1	0.5 3.5
Vinyl Chloride	09-MAY-07 13:11	0.301	ND	v\v daa		$+\frac{1}{1}$	
Vinyl Chloride	09-MAY-07 13:11	0.77	ND	µg/m³		1	0.5
1,3-Butadiene	09-MAY-07 13:11	0.346	0.75	pg/m³		1	1.3
1,3-Butadiene	09-MAY-07 13:11	0.77	1.6	ug/m³		1 1	0.5
Bromomethane	09-MAY-07 13:11	0.215	ND	pyv dag		1	1.1
Bromomethane	09-MAY-07 13:11	0.83	ND	na/w3		1	0.5
Chloroethane	09-MAY-07 13:11	0.388	ND	v\v daa		1	1.9
Chloroethane	09-MAY-07 13:11	1.0	ND	na/w ₃		1 1	0.5
Freon 11	09-MAY-07 13:11	0.0921	0.39	ppb v/v	J	1 1	1.3
Freon 11	09-MAY-07 13:11	0.52	2.2	ha/w ₃	J	1	0.5
cis-1,2-Dichloroethene	09-MAY-07 13:11	0.102	ND	v/v dag		1	2.8
cis-1,2-Dichloroethene	09-MAY-07 13:11	0.40	ND	ha/w ₃		1	0.5
Carbon Disulfide	09-MAY-07 13:11	0.111	ND	v\v dag		1	2.0
Carbon Disulfide	09-MAY-07 13:11	0.35	ND	hd/w ₃		1	0.5
Freon 113	09-MAY-07 13:11	0.0950	ND	ppb v/v		1	1.6
Freon 113	09-MAY-07 13:11	0.73	ND	na/w ₃		1	0.5
Acetone	09-MAY-07 13:11	0.113	93.	v\v daa	EB	1	3.8
Acetone	09-MAY-07 13:11	0.27	220	na/w3	EB	1	0.5
Methylene Chloride	09-MAY-07 13:11	0.168	ND	ppb v/v	Q.D	1	1.2
Methylene Chloride	09-MAY-07 13:11	0.58	ND	nd/m3		1	0.5
rans-1,2-Dichloroethene	09-MAY-07 13:11	0.118	ND	ppb v/v		1	1.7
rans-1,2-Dichloroethene	09-MAY-07 13:11	0.47	ND	na/w3		1	0.5
l,1-Dichloroethane	09-MAY-07 13:11	0.116	ND	v/v dag			2.0
,1-Dichloroethane	09-MAY-07 13:11	0.47	ND	hd/w ₃		1	0.5
Methyl t-Butyl Ether	09-MAY-07 13:11	0.147	ND	ppb v/v		$-\frac{1}{1}$	2.0
Methyl t-Butyl Ether	09-MAY-07 13:11	0.53	ND	ha/w ₃			0.5
Vinyl Acetate	09-MAY-07 13:11	0.133	ND	v\v dag		1	1.8
Vinyl Acetate	09-MAY-07 13:11	0.47	ND	na/w3		1 1	0.5
,1-Dichloroethene	09-MAY-07 13:11	0.109	ND ND	v/v dgg		1	1.8
,1-Dichloroethene	09-MAY-07 13:11	0.43	ND	ha/w3		1	0.5
-Butanone	09-MAY-07 13:11	0.182	1.0	μαν ν/ν μαση με		1	2.0
2-Butanone	09-MAY-07 13:11	0.54	3.0	na/w ₃		1	0.5
thyl Acetate	09-MAY-07 13:11	0.273	1.0	bbp n/n		$-\frac{1}{1}$	1.5 0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 16-MAY-07 09:51 Client Name.....: Weston Solutions, Inc.

DCL Sample Name...: 07E02467 DCL Report Group..: 07E-0376-01

		,					
Analyte	Date Analyzed	MDL	Result	Units	Oual.	Dilution	DOT
Ethyl Acetate	09-MAY-07 13:11	0.98	3.6	ug/m³	Qual.	Dilution	PQL
Hexane	09-MAY-07 13:11	0.121	0.34	v\v daa		1 1	1.8
Hexane	09-MAY-07 13:11	0.43	1.2		J	1 1	0.5
Chloroform	09-MAY-07 13:11	0.115	ND ND	µg/m³	J	1 1	1.8
Chloroform	09-MAY-07 13:11	0.56	ND	ppb v/v		1 1	0.5
1,1,1-Trichloroethane	09-MAY-07 13:11	0.0725	ND	ppb v/v	 	1 1	2.4
1,1,1-Trichloroethane	09-MAY-07 13:11	0.40	ND	hd/w ₃	 	1 1	0.5
Carbon Tetrachloride	09-MAY-07 13:11	0.0657	ND	ppb v/v	 	1 1	2.7
Carbon Tetrachloride	09-MAY-07 13:11	0.41	ND			1	0.5
Benzene	09-MAY-07 13:11	0.102	0.49	ppb v/v		1	3.1
Benzene	09-MAY-07 13:11	0.33	1.6		J	1	0.5
Tetrahydrofuran	09-MAY-07 13:11	0.227	ND	µg/m³	J	1 1	1.6
Tetrahydrofuran	09-MAY-07 13:11	0.67	ND	ppb v/v		$\frac{1}{1}$	0.5
1,2-Dichloroethane	09-MAY-07 13:11	0.153	ND	µg/m³		1 1	1.5
1,2-Dichloroethane	09-MAY-07 13:11	0.133		ppb v/v		1	0.5
Cyclohexane	09-MAY-07 13:11	0.120	ND	ha/w3		1 1	2.0
Cyclohexane	09-MAY-07 13:11	0.120	ND	ppb v/v		1 1	0.5
Trichloroethene	09-MAY-07 13:11	0.120	ND	µg/m³		1	1.7
Trichloroethene	09-MAY-07 13:11	0.120	ND ND	ppb v/v		1	0.5
1,2-Dichloropropane	09-MAY-07 13:11	0.123		µg/m³		1 1	2.7
1,2-Dichloropropane	09-MAY-07 13:11 09-MAY-07 13:11	0.123	ND	ppb v/v		1 1	0.5
Bromodichloromethane	09-MAY-07 13:11	0.0779	ND	µg/m³		1	2.3
Bromodichloromethane	09-MAY-07 13:11	0.0779	ND	v\v dqq		1	0.5
Heptane	09-MAY-07 13:11 09-MAY-07 13:11	0.101	ND 0 17	µg/m³		1	3.3
Heptane	09-MAY-07 13:11 09-MAY-07 13:11	0.101	0.17	v/v dqq	J	1	0.5
cis-1,3-Dichloropropene	09-MAY-07 13:11	0.106	0.71	µg/m³	J	11	2.0
cis-1,3-Dichloropropene	09-MAY-07 13:11 09-MAY-07 13:11		ND	ppb v/v		11	0.5
4-Methyl-2-Pentanone	09-MAY-07 13:11	0.48	ND	ug/m³		1	2.3
4-Methyl-2-Pentanone	09-MAY-07 13:11	0.116	ND	ppb v/v		1	0.5
Toluene	09-MAY-07 13:11	0.115	ND	ug/m³		1	2.0
Toluene	09-MAY-07 13:11	0.113	28	v/v dqq	E	11	0.5
trans-1,3-Dichloropropene	09-MAY-07 13:11	0.130	100	ug/m³	E	1	1.9
trans-1,3-Dichloropropene	09-MAY-07 13:11	0.130	ND	v\v dqq		1	0.5
1,1,2-Trichloroethane	09-MAY-07 13:11	0.0972	ND ND	µg/m³		1	2.3 -
1,1,2-Trichloroethane	09-MAY-07 13:11	0.0372	ND ND	ppb v/v		1	0.5
Tetrachloroethene	09-MAY-07 13:11	0.0847		nd/m3		1	2.7
Tetrachloroethene	09-MAY-07 13:11	0.57	ND	v\v dqq		1	0.5
2-Hexanone	09-MAY-07 13:11	0.136	ND ND	μg/m³		1	3.4
2-Hexanone	09-MAY-07 13:11	0.56	ND ND	v/v dqq		1	0.5
Dibromochloromethane	09-MAY-07 13:11	0.0792	ND	µg/m³			2.0
Dibromochloromethane	09-MAY-07 13:11	0.67	ND	ppb v/v		1	0.5
1,2-Dibromoethane	09-MAY-07 13:11	0.119	ND	ug/m³		1	4.2
1,2-Dibromoethane	09-MAY-07 13:11	0.91	ND	v/v dqq			0.5
Chlorobenzene	09-MAY-07 13:11	0.0882	ND	µg/m³		1	3.8
Chlorobenzene	09-MAY-07 13:11	0.41		ppb v/v		1	0.5
Ethylbenzene	09-MAY-07 13:11	0.150	ND	μg/m³		1	2.3
Ethylbenzene	09-MAY-07 13:11		0.55	ppb v/v		1	0.5
m,p-Xylene	09-MAY-07 13:11	0.65	2.4	µg/m³		1	2.2
m,p-Xylene	09-MAY-07 13:11 09-MAY-07 13:11		1.7	v/v dag		1	1.0
o-Xylene	09-MAY-07 13:11 09-MAY-07 13:11	0.92	7.2	ug/m³		1	4.3
o-Xylene	09-MAY-07 13:11	0.113	0.47	v/v dag	J	1	0.5
Styrene	09-MAY-07 13:11 09-MAY-07 13:11	0.49	2.1	µg/m³	J	1	2.2
Styrene	09-MAY-07 13:11 09-MAY-07 13:11	0.0748	0.43	v/v dqq	J	1	0.5
Bromoform	09-MAY-07 13:11 09-MAY-07 13:11	0.32	1.8	μg/m³	J	1	2.1
Bromoform	09-MAY-07 13:11 09-MAY-07 13:11	0.0884	ND	v\v dag		1	0.5
1,1,2,2-Tetrachloroethane	09-MAY-07 13:11 09-MAY-07 13:11	0.90	ND	ng/m³		1	5.1
1,1,2,2-Tetrachloroethane	09-MAY-07 13:11 09-MAY-07 13:11	0.108	ND	v\v dag		1	0.5
Benzyl Chloride	09-MAY-07 13:11 09-MAY-07 13:11	0.74	ND	nd/w3		1	3.4
	103-MAY-0/ 13:11	0.136	ND	ppb v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 16-MAY-07 09:51 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02467 DCL Report Group..: 07E-0376-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Oual.	Dilution	PQL
Benzyl Chloride	09-MAY-07 13:11	0.70	ND	ug/m³		1	2.6
4-Ethyl toluene	09-MAY-07 13:11	0.0983	ND	ppb v/v		1 1	0.5
4-Ethyl toluene	09-MAY-07 13:11	0.48	ND	µq/m³		1 1	2.5
1,3,5-Trimethylbenzene	09-MAY-07 13:11	0.112	ND	v\v dga		1 1	0.5
1,3,5-Trimethylbenzene	09-MAY-07 13:11	0.55	ND	ug/m³		1 1	2.5
1,2,4-Trimethylbenzene	09-MAY-07 13:11	0.117	0.36	v\v dag	J	1 1	0.5
1,2,4-Trimethylbenzene	09-MAY-07 13:11	0.58	1.8	ha/w ₃	J	1 1	2.5
1,3-Dichlorobenzene	09-MAY-07 13:11	0.120	ND	v\v dqq	<u> </u>	1 1	0.5
1,3-Dichlorobenzene	09-MAY-07 13:11	0.72	ND	hd/w ₃		1 1	3.0
1,4-Dichlorobenzene	09-MAY-07 13:11	0.0987	ND	v\v daa		 	0.5
1,4-Dichlorobenzene	09-MAY-07 13:11	0.59	ND	nd/w ₃		 	3.0
1,2-Dichlorobenzene	09-MAY-07 13:11	0.0851	ND	v\v daa		1 1	0.5
1,2-Dichlorobenzene	09-MAY-07 13:11	0.51	ND	na/w3		 	3.0
1,2,4-Trichlorobenzene	09-MAY-07 13:11	0.115	T() DN	v\v daa		 	0.5
1,2,4-Trichlorobenzene	09-MAY-07 13:11	0.85	CU DIN	hd/w3		1 1	3.7
Hexachlorobutadiene	09-MAY-07 13:11	0.119	ND UJ			1 1	0.5
Hexachlorobutadiene	09-MAY-07 13:11	1.3	ND UJ	nd/w ₃		1 1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Ethane, 1,1-difluoro-(4.10)	09-MAY-07 13:11	52.	v\v daa	J	1
Isobutane(4.54)	09-MAY-07 13:11	7.3	v/v dgg	ıŢ	1 1
Ethanol (5.30)	09-MAY-07 13:11	500	v\v dag	J	1 1
1,3-Butadiene, 2-methyl-(6.21)	09-MAY-07 13:11	2.3	ppb v/v	J	1 1
Cyclopentane(7.46)	09-MAY-07 13:11	3.8	ppb v/v	ıŢ	1 1
C11 Hydrocarbon(17.08)	09-MAY-07 13:11	2.8	ppb v/v	J	1

29 6/5/07

BEHR VOC PLUME SITE DAYTON, OHIO DATA VALIDATION REPORT

Date: June 5, 2007

Laboratory: DataChem Laboratories, Inc. (DataChem), Salt Lake City, Utah

Laboratory SDG #/Set ID #: BEHR/07E-0380-01

Data Validation Performed By: Lisa Graczyk, Dynamac Corporation (Dynamac),

subcontractor to Weston Solutions, Inc. (Weston)

Weston Analytical Work Order #/TDD #: 20405.016.003.0121.00/S05-0612-007

This data validation report has been prepared by Dynamac, a Weston subcontractor, under the START III Region V contract. This report documents the data validation of air samples collected for the Behr VOC Plume Site that were analyzed for Volatile Organic Compounds (VOC) by U.S. Environmental Protection Agency (U.S. EPA) method TO-15. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Organic Data Review" dated October 1999.

VOCs in Air by U.S. EPA Method TO15

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

<u>Samples</u>	<u>Lab ID</u>	<u>Matrix</u>	<u>Date</u> <u>Collected</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>
EPA-28-SS	07E02472	Air	05/08/07	NA	05/10/07
EPA-29-SS	07E02473	Air	05/08/07	NA	05/10/07

2. <u>Holding Times</u>

The samples were analyzed within the required holding time limit of 30 days from sample collection in accordance with method TO-15.

3. Instrument Performance Check

The instrument performance check using bromofluorobenzene (BFB) was performed within the 24-hour period for which the samples were analyzed as required for method TO-15. The BFB standard met the ion abundance criteria specified in method TO-15.

Laboratory WO #: BEHR/07E-0380-01

4. <u>Initial Calibration</u>

For the initial calibration, the percent relative standard deviations (%RSD) for all compounds were less than 30 percent except for propene. The results for propene were flagged "J" as estimated for this discrepancy. The average relative response factors were all greater than 0.05.

5. <u>Continuing Calibration</u>

The percent differences (%D) in the continuing calibration standard for all target compounds were within the control limit of less than or equal to 25 percent except for propene and acetone. The results for propene and acetone were flagged "J" as estimated for this discrepancy.

6. Blanks

The method blank associated with the samples was free of target compound contamination.

7. <u>Surrogates</u>

The 4-bromofluorobenzene surrogate spike recoveries in the samples were within the quality control (QC) limits.

8. Laboratory Control Sample (LCS)

All LCS recoveries and LCS duplicate recoveries were within the laboratory-established QC limits of 70 to 130 percent recovery.

9. <u>Internal Standard Results</u>

The internal standard area counts in the samples were within -50 percent to +100 percent of the area counts of the associated continuing calibration standard. The retention time of the internal standards did not vary more than ± 30 seconds from the retention time of the associated continuing calibration standard.

10. Target Compound Identification

A spot-check was performed of the mass spectra for detected compounds. The spot-check confirmed compound identification. DataChem appropriately flagged those results

Data Validation Report Behr VOC Plume Site DataChem Laboratories Laboratory WO #: BEHR/07E-0380-01

detected above the method detection limit but below the quantitation limit as "J" or estimated.

Data Validation Report Behr VOC Plume Site DataChem Laboratories Laboratory WO #: BEHR/07E-0380-01

ATTACHMENT

DATACHEM LABORATORIES RESULTS SUMMARY



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 16-MAY-07 10:12

Client Name..... : Weston Solutions, Inc.

Client Ref Number...: 0055729

Sampling Site..... Behr VOC Plume PRP

Release Number....: 0055729

Date Received....: 10-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared.....: Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume...: Not Required

Client Sample Name: EPA-28-SS | 107009

DCL Sample Name...: 07E02472 DCL Report Group..: 07E-0380-01

Matrix..... AIR

Date Sampled....: 08-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis.....: ☒ As Received ☐ Dried

DCL Analysis Group: G074G01H Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-0 Column Type....: DB-1

> X Primary ☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	ITm ÷ ÷ -	0 3		
Propene	10-MAY-07 10:47	0.180		Units	Qual.	Dilution	PQL
Propene	10-MAY-07 10:47	0.180	2.2 7		<u> </u>	11	0.5
Dichlorodifluoromethane	10-MAY-07 10:47	0.0669	3.8 ナ			1	0.86
Dichlorodifluoromethane	10-MAY-07 10:47	0.0669	1.1	ppb v/v		1	0.5
Chloromethane	10-MAY-07 10:47	0.33	5.4	µg/m³	ļ <u>.</u>	1	2.5
Chloromethane	10-MAY-07 10:47	0.249	ND	ppb v/v	<u> </u>	1 1	0.5
Freon 114	10-MAY-07 10:47	0.51	ND	µg/m³	ļ	1	1.0
Freon 114	10-MAY-07 10:47	1.1	ND	ppb v/v		1	0.5
Vinyl Chloride	10-MAY-07 10:47	0.301	ND	ha/w3		1	3.5
Vinyl Chloride	10-MAY-07 10:47	0.301	ND	ppb v/v		1	0.5
1,3-Butadiene	10-MAY-07 10:47	0.77	ND	nd/w3		1	1.3
1,3-Butadiene	10-MAY-07 10:47	0.346	ND	v/v dqq	ļ	1	0.5
Bromomethane	10-MAY-07 10:47		ND	µg/m³		1	1.1
Bromomethane	10-MAY-07 10:47	0.215	ND	v/v dqq		1	0.5
Chloroethane	10-MAY-07 10:47	0.83	ND	ug/m³		1	1.9
Chloroethane	10-MAY-07 10:47		ND	v/v dag		1	0.5
Freon 11	10-MAY-07 10:47	1.0	ND	µg/m³		1	1.3 -
Freon 11	10-MAY-07 10:47	0.0921	1.1	v/v dag		1	0.5
cis-1,2-Dichloroethene	10-MAY-07 10:47	0.52	6.1	µg/m³		1	2.8
cis-1,2-Dichloroethene	10-MAY-07 10:47	0.102	ND	v\v daa		1	0.5
Carbon Disulfide	10-MAY-07 10:47	0.40	ND	µg/m³		1	2.0
Carbon Disulfide	10-MAY-07 10:47	0.111	ND	v/v dqq		1	0.5
Freon 113		0.35	ND	µg/m³		1	1.6
Freon 113	10-MAY-07 10:47	0.0950	ND	ppb v/v		1	0.5
Acetone	10-MAY-07 10:47	0.73	ND	µg/m³		1	3.8
Acetone	10-MAY-07 10:47	0.113	24. J	ppb v/v	E	1	0.5
Methylene Chloride	10-MAY-07 10:47	0.27	57. 5	µg/m³	E	1	1.2
Methylene Chloride	10-MAY-07 10:47	0.168	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	10-MAY-07 10:47	0.58	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	10-MAY-07 10:47	0.118	ND	ppb v/v		1	0.5
1,1-Dichloroethane	10-MAY-07 10:47	0.47	ND	μg/m³		1	2.0
1,1-Dichloroethane	10-MAY-07 10:47	0.116	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	10-MAY-07 10:47	0.47	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	10-MAY-07 10:47	0.147	ND	ppb v/v	1	1	0.5
Vinyl Acetate	10-MAY-07 10:47	0.53	ND	μg/m³		1	1.8
Vinyl Acetate Vinyl Acetate	10-MAY-07 10:47	0.133	ND	ppb v/v		1	0.5
1,1-Dichloroethene	10-MAY-07 10:47	0.47	ND	μg/m³		1	1.8
1,1-Dichloroethene	10-MAY-07 10:47	0.109	ND	v/v dqq		1	0.5
2-Butanone	10-MAY-07 10:47	0.43	ND	µg/m³		1	2.0
2-Butanone	10-MAY-07 10:47	0.182	ND	v/v dgg		1	0.5
Ethyl Acetate	10-MAY-07 10:47	0.54	ND	µg/m³		1	1.5
denyi Adecate	10-MAY-07 10:47	0.273	ND	v\v dag		1	0.5

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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 16-MAY-07 10:12 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02472 DCL Report Group..: 07E-0380-01

Analytical Results

Analyte	Date	MDI	D 1 +-		I		
Ethyl Acetate	Analyzed 10-MAY-07 10:47	MDL	Result	Units	Qual.	Dilution	PQL
Hexane		0.98	ND	µg/m³		1 1	1.8
Hexane	10-MAY-07 10:47		0.91	ppb v/v		1 1	0.5
Chloroform	10-MAY-07 10:47	0.43	3.2	µg/m³		1 1	1.8
Chloroform	10-MAY-07 10:47	0.115	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	10-MAY-07 10:47	0.56	ND	µg/m³		1	2.4
1,1,1-Trichloroethane	10-MAY-07 10:47	0.0725	ND	ppb v/v		1	0.5
Carbon Tetrachloride	10-MAY-07 10:47	0.40	ND	μg/m³		1	2.7
Carbon Tetrachloride	10-MAY-07 10:47	0.0657	ND	ppb v/v		1	0.5
Benzene	10-MAY-07 10:47	0.41	ND	μg/m³		1	3.1
Benzene	10-MAY-07 10:47	0.102	0.73	ppb v/v		1	0.5
	10-MAY-07 10:47	0.33	2.3	μg/m³		1	1.6
Tetrahydrofuran	10-MAY-07 10:47	0.227	ND	ppb v/v		1	0.5
Tetrahydrofuran	10-MAY-07 10:47	0.67	ND	µg/m³		1	1.5
1,2-Dichloroethane 1,2-Dichloroethane	10-MAY-07 10:47	0.153	ND	ppb v/v		1	0.5
	10-MAY-07 10:47	0.62	ND	μg/m³		1	2.0
Cyclohexane	10-MAY-07 10:47	0.120	0.71	ppb v/v		1	0.5
Cyclohexane	10-MAY-07 10:47	0.41	2.4	μg/m³		1	1.7
Trichloroethene	10-MAY-07 10:47	0.120	ND	ppb v/v		1	0.5
Trichloroethene	10-MAY-07 10:47	0.64	ND	μg/m³		1	2.7
1,2-Dichloropropane	10-MAY-07 10:47	0.123	ND	ppb v/v		1	0.5
1,2-Dichloropropane	10-MAY-07 10:47	0.57	ND	μg/m³		1	2.3
Bromodichloromethane	10-MAY-07 10:47	0.0779	ND	ppb v/v		1	0.5
Bromodichloromethane	10-MAY-07 10:47	0.52	ND	μg/m³		1	3.3
Heptane	10-MAY-07 10:47	0.101	0.66	ppb v/v		1	0.5
Heptane	10-MAY-07 10:47	0.41	2.7	μg/m³		1	2.0
cis-1,3-Dichloropropene	10-MAY-07 10:47	0.106	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	10-MAY-07 10:47	0.48	ND	μg/m³		1	2.3
4-Methyl-2-Pentanone	10-MAY-07 10:47	0.116	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	10-MAY-07 10:47	0.48	ND	µg/m³		1	2.0
Toluene	10-MAY-07 10:47	0.115	1.8	ppb v/v		1	0.5
Toluene	10-MAY-07 10:47	0.43	6.8	μg/m³		1	1.9
trans-1,3-Dichloropropene	10-MAY-07 10:47	0.130	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	10-MAY-07 10:47	0.59	ND	µg/m³		1	2.3 -
1,1,2-Trichloroethane	10-MAY-07 10:47	0.0972	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	10-MAY-07 10:47	0.53	ND	µg/m³		1	2.7
Tetrachloroethene	10-MAY-07 10:47	0.0847	5.6	ppb v/v		1	0.5
Tetrachloroethene	10-MAY-07 10:47	0.57	38.	µg/m³		1	3.4
2-Hexanone	10-MAY-07 10:47	0.136	ND	ppb v/v		1	0.5
2-Hexanone	10-MAY-07 10:47	0.56	ND	µg/m³		1	2.0
Dibromochloromethane	10-MAY-07 10:47	0.0792	ND	ppb v/v		1	0.5
Dibromochloromethane	10-MAY-07 10:47	0.67	ND	µg/m³		1	4.2
1,2-Dibromoethane	10-MAY-07 10:47	0.119	ND	ppb v/v		1	0.5
1,2-Dibromoethane	10-MAY-07 10:47	0.91	ND	µg/m³		1	3.8
Chlorobenzene	10-MAY-07 10:47	0.0882	ND	ppb v/v		1	0.5
Chlorobenzene	10-MAY-07 10:47	0.41	ND	μg/m³		1	2.3
Ethylbenzene	10-MAY-07 10:47	0.150	0.86	ppb v/v		1	0.5
Ethylbenzene	10-MAY-07 10:47	0.65	3.7	µg/m³		1	2.2
m,p-Xylene	10-MAY-07 10:47	0.213	1.5	ppb v/v		1	1.0
m,p-Xylene	10-MAY-07 10:47	0.92	6.6	µg/m³		1	4.3
o-Xylene	10-MAY-07 10:47	0.113	0.63	ppb v/v		1	0.5
o-Xylene	10-MAY-07 10:47	0.49	2.7	µg/m³		1	2.2
Styrene	10-MAY-07 10:47	0.0748	0.10	ppb v/v	J	1	0.5
Styrene	10-MAY-07 10:47	0.32	0.43	µg/m³	J.	1	2.1
Bromoform	10-MAY-07 10:47	0.0884	ND	ppb v/v		1	
Bromoform	10-MAY-07 10:47	0.90	ND	µg/m³		1	0.5 5.1
1,1,2,2-Tetrachloroethane	10-MAY-07 10:47	0.108	ND	ppb v/v		1	
1,1,2,2-Tetrachloroethane	10-MAY-07 10:47	0.74	ND	µg/m³		1	0.5
Benzyl Chloride	10-MAY-07 10:47	0.136	ND	ppb v/v			3.4
			112	PPD V/V		1	0.5

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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 16-MAY-07 10:12 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02472 DCL Report Group..: 07E-0380-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	POL
Benzyl Chloride	10-MAY-07 10:47	0.70	ND	µg/m³		1	2.6
4-Ethyl toluene	10-MAY-07 10:47	0.0983	0.14	v\v dag	J	1 1	0.5
4-Ethyl toluene	10-MAY-07 10:47	0.48	0.70	µg/m³	J	1	2.5
1,3,5-Trimethylbenzene	10-MAY-07 10:47	0.112	0.25	v\v daa	J	1 1	0.5
1,3,5-Trimethylbenzene	10-MAY-07 10:47	0.55	1.2	ug/m³	J	1 1	2.5
1,2,4-Trimethylbenzene	10-MAY-07 10:47	0.117	0.90	v\v daa		1 1	0.5
1,2,4-Trimethylbenzene	10-MAY-07 10:47	0.58	4.4	ug/m³		1 1	2.5
1,3-Dichlorobenzene	10-MAY-07 10:47	0.120	ND	v/v dqq	· · · · · · · · · · · · · · · · · · ·	1	0.5
1,3-Dichlorobenzene	10-MAY-07 10:47	0:72	ND	µg/m³		1 1	3.0
1,4-Dichlorobenzene	10-MAY-07 10:47	0.0987	ND	ppb v/v		1 1	0.5
1,4-Dichlorobenzene	10-MAY-07 10:47	0.59	ND	hd/m3		1 1	3.0
1,2-Dichlorobenzene	10-MAY-07 10:47	0.0851	ND	ppb v/v			0.5
1,2-Dichlorobenzene	10-MAY-07 10:47	0.51	ND	hd/w3		1 1	3.0
1,2,4-Trichlorobenzene	10-MAY-07 10:47	0.115	ND	v/v dag		1	0.5
1,2,4-Trichlorobenzene	10-MAY-07 10:47	0.85	ND	µg/m³		1	3.7
Hexachlorobutadiene	10-MAY-07 10:47	0.119	ND	v\v dqq		1	0.5
Hexachlorobutadiene	10-MAY-07 10:47	1.3	ND	µg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
	10-MAY-07 10:47	2.4	ppb v/v	J	1
Unknown fluorocarbon(13.76)	10-MAY-07 10:47	33.	v\v dag	J	1



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 16-MAY-07 10:12

Client Name..... : Weston Solutions, Inc.

Client Ref Number...: 0055729

Sampling Site..... Behr VOC Plume PRP

Release Number....: 0055729

Date Received....: 10-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared..... Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume...: Not Required

Client Sample Name: EPA-29-SS | 108680

DCL Sample Name...: 07E02473 DCL Report Group..: 07E-0380-01

Matrix..... AIR

Date Sampled....: 08-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis.....: ☒ As Received ☐ Dried

DCL Analysis Group: G074G01H Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-0 Column Type.....: DB-1

> X Primary ☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Propene	10-MAY-07 11:28	0.180	5.6 J	ppb v/v	· gaar.	1	0.5
Propene	10-MAY-07 11:28	0.31	9.6 J	nd/w3		1 1	0.86
Dichlorodifluoromethane.	10-MAY-07 11:28		0.67	v\v dag		1	0.86
Dichlorodifluoromethane	10-MAY-07 11:28	0.33	3.3	ug/m³		1	2.5
Chloromethane	10-MAY-07 11:28	0.249	ND	ppb v/v		1	0.5
Chloromethane	10-MAY-07 11:28	0.51	ND	ug/m³	 	1	1.0
Freon 114	10-MAY-07 11:28	0.156	ND	ppb v/v		1	0.5
Freon 114	10-MAY-07 11:28	1.1	ND	na/m3		1	3.5
Vinyl Chloride	10-MAY-07 11:28	0.301	ND	ppb v/v		1	0.5
Vinyl Chloride	10-MAY-07 11:28	0.77	ND	µg/m³		1	1.3
1,3-Butadiene	10-MAY-07 11:28	0.346	ND	ppb v/v		1	0.5
1,3-Butadiene	10-MAY-07 11:28	0.77	ND	hd/m3		1	1.1
Bromomethane	10-MAY-07 11:28	0.215	ND	v\v dag		1	
Bromomethane	10-MAY-07 11:28	0.83	ND	nd/w ₃		1	0.5
Chloroethane	10-MAY-07 11:28	0.388	ND	ppb v/v		$\frac{1}{1}$	1.9
Chloroethane	10-MAY-07 11:28	1.0	ND	na/w ₃		1	0.5
Freon 11	10-MAY-07 11:28	0.0921	0.38	v\v dqq	J	1	1.3
Freon 11	10-MAY-07 11:28	0.52	2.1	na/w ₃	J	1	0.5
cis-1,2-Dichloroethene	10-MAY-07 11:28	0.102	7.0	ppb v/v	Ü	1	2.8
cis-1,2-Dichloroethene	10-MAY-07 11:28	0.40	28.	hd/w ₃			0.5
Carbon Disulfide	10-MAY-07 11:28	0.111	ND ND	ppb v/v		1 1	2.0
Carbon Disulfide	10-MAY-07 11:28	0.35	ND	hd/w ₃		1	0.5
Freon 113	10-MAY-07 11:28	0.0950	0.20	v\v daa	J		1.6
Freon 113	10-MAY-07 11:28	0.73	1.5	na/w3	J	$\frac{1}{1}$	0.5
Acetone	10-MAY-07 11:28	0.113	7.9	v/v daa	U I		3.8
Acetone	10-MAY-07 11:28	0.27	19. 7	hd/w ₃		1	0.5
Methylene Chloride	10-MAY-07 11:28	0.168	1.3	ppb v/v			1.2
Methylene Chloride	10-MAY-07 11:28	0.58	4.4	na/w3		1	0.5
rans-1,2-Dichloroethene	10-MAY-07 11:28	0.118	0.38	v/v dag		1	1.7
rans-1,2-Dichloroethene	10-MAY-07 11:28	0.47	1.5	hd/w3		1	0.5
l,1-Dichloroethane	10-MAY-07 11:28	0.116	1.0		J	1 1	2.0
,1-Dichloroethane	10-MAY-07 11:28	0.47	$\frac{1.0}{4.1}$	ppb v/v		1	0.5
Methyl t-Butyl Ether	10-MAY-07 11:28	0.147	ND ND	µg/m³		1	2.0
Methyl t-Butyl Ether	10-MAY-07 11:28	0.53	ND	ppb v/v		1	0.5
inyl Acetate	10-MAY-07 11:28	0.33		µg/m³		1	1.8
Vinyl Acetate	10-MAY-07 11:28	0.133	ND	v/v daa		1	0.5
,1-Dichloroethene	10-MAY-07 11:28	0.109	ND	nd/w3		1	1.8
,1-Dichloroethene	10-MAY-07 11:28	0.109	ND	v/v dqq		1	0.5
-Butanone	10-MAY-07 11:28	0.182	ND	ha/w3		1	2.0
-Butanone	10-MAY-07 11:28	0.182	ND	ppb v/v		1	0.5
Ethyl Acetate	10-MAY-07 11:28		ND	hd/w3		1	1.5
	110-MAI-0/ 11:28	0.273	ND ,	v/v dqq		1	0.5

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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 16-MAY-07 10:12 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02473 DCL Report Group..: 07E-0380-01

Analyte	Date Analyzed	MDL	Pogult	T7			
Ethyl Acetate	10-MAY-07 11:28		Result	Units	Qual.	Dilution	PQL
Hexane	10-MAY-07 11:28		ND	µg/m³	ļ	1	1.8
Hexane	10-MAY-07 11:28		2.6	v/v dqq	ļ	1 1	0.5
Chloroform	10-MAY-07 11:28	0.43	9.3	µg/m³	ļ	1	1.8
Chloroform	10-MAY-07 11:28 10-MAY-07 11:28	0.115	5.6	ppb v/v		1 1	0.5
1,1,1-Trichloroethane	10-MAY-07 11:28	0.56	27.	µg/m³		1	2.4
1,1,1-Trichloroethane	10-MAY-07 11:28	0.0725	4.7	ppb v/v		1	0.5
Carbon Tetrachloride	10-MAY-07 11:28	0.40	26.	µg/m³		1	2.7
Carbon Tetrachloride	10-MAY-07 11:28	0.0657	0.41	ppb v/v	J	1	0.5
Benzene	10-MAY-07 11:28	0.41	2.5	ug/m³	J	1	3.1
Benzene	10-MAY-07 11:28	0.102	1.5	ppb v/v		1	0.5
Tetrahydrofuran	10-MAY-07 11:28	0.33	4.7	µg/m³		1	1.6
Tetrahydrofuran	10-MAY-07 11:28	0.227	ND	v/v dqq		1 1	0.5
1,2-Dichloroethane	10-MAY-07 11:28	0.67	ND	µg/m³		1 1	1.5
1,2-Dichloroethane	10-MAY-07 11:28	0.153	ND	ppb v/v		1	0.5
Cyclohexane	10-MAY-07 11:28	0.62	ND	µg/m³		1 1	2.0
Cyclohexane	10-MAY-07 11:28 10-MAY-07 11:28	0.120	1.0	ppb v/v		1	0.5
Trichloroethene	10-MAY-07 11:28 10-MAY-07 11:28	0.41	3.6	µg/m³		1	1.7
Trichloroethene	10-MAY-07 11:28 10-MAY-07 11:28	1.2	1000	v/v dqq		10	5.0
1,2-Dichloropropane	10-MAY-07 11:28 10-MAY-07 11:28	6.4	5400	µg/m³		10	27.
1,2-Dichloropropane	10-MAY-07 11:28 10-MAY-07 11:28	0.123	ND	v/v dqq		. 1	0.5
Bromodichloromethane	10-MAY-07 11:28	0.57	ND	µg/m³		1	2.3
Bromodichloromethane	10-MAY-07 11:28	0.0779	ND	v/v dgg		1	0.5
Heptane	10-MAY-07 11:28 10-MAY-07 11:28	0.52	ND	µg/m³		1	3.3
Heptane	10-MAY-07 11:28	0.101	2.2	ppb v/v		1	0.5
cis-1,3-Dichloropropene	10-MAY-07 11:28	0.41	9.2	ug/m³		1	2.0
cis-1,3-Dichloropropene	10-MAY-07 11:28	0.106	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	10-MAY-07 11:28	0.48	ND	ha/w3		1	2.3
4-Methyl-2-Pentanone	10-MAY-07 11:28	0.116	ND	v/v dqq		1	0.5
Toluene	10-MAY-07 11:28	0.48	ND ND	µg/m³		1	2.0
Toluene	10-MAY-07 11:28	0.113	5.4 20.	v/v dqq		1	0.5
trans-1,3-Dichloropropene	10-MAY-07 11:28	0.130		µg/m³		1	1.9
trans-1,3-Dichloropropene	10-MAY-07 11:28	0.59	ND ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	10-MAY-07 11:28	0.0972	ND	µg/m³		1	2.3
1,1,2-Trichloroethane	10-MAY-07 11:28	0.53	ND ND	v/v dqq		1	0.5
Tetrachloroethene	10-MAY-07 11:28	0.85	41.	µg/m³		1	2.7
Tetrachloroethene	10-MAY-07 11:28	5.7	280	ppb v/v		10	5.0
2-Hexanone	10-MAY-07 11:28	0.136	ND ND	µg/m³		10	34.
2-Hexanone	10-MAY-07 11:28	0.56	ND	ppb v/v		1	0.5
Dibromochloromethane	10-MAY-07 11:28	0.0792	ND	ug/m³		1	2.0
Dibromochloromethane	10-MAY-07 11:28	0.67	ND	ppb v/v		1	0.5
1,2-Dibromoethane	10-MAY-07 11:28	0.119	ND	µg/m³		1	4.2
1,2-Dibromoethane	10-MAY-07 11:28	0.119	ND	ppb v/v		1	0.5
Chlorobenzene	10-MAY-07 11:28	0.0882	ND			1	3.8
Chlorobenzene	10-MAY-07 11:28	0.41	ND ND	ppb v/v		1	0.5
Ethylbenzene	10-MAY-07 11:28	0.150	2.4	ug/m³		1	2.3
Ethylbenzene	10-MAY-07 11:28	0.65	10.	ppb v/v		1 -	0.5
n,p-Xylene	10-MAY-07 11:28	0.03	3.5	µg/m³		1	2.2
n,p-Xylene	10-MAY-07 11:28	0.213	15.	ppb v/v		1 .	1.0
o-Xylene	10-MAY-07 11:28	0.113	1.9	µg/m³		1	4.3
o-Xylene	10-MAY-07 11:28	0.49	8.4	ppb v/v		1	0.5
Styrene	10-MAY-07 11:28	0.0748		ug/m³		1	2.2
Styrene	10-MAY-07 11:28	0.0748	0.19	ppb v/v		1	0.5
Bromoform	10-MAY-07 11:28	0.0884	0.82	µg/m³	J	1	2.1
Bromoform	10-MAY-07 11:28	0.90	ND	ppb v/v		1	0.5
.,1,2,2-Tetrachloroethane	10-MAY-07 11:28	0.108	ND	µg/m³		1	5.1
.,1,2,2-Tetrachloroethane	10-MAY-07 11:28	0.108	ND	ppb v/v		1	0.5
Benzyl Chloride	10-MAY-07 11:28	0.136	ND	nd/m3		1	3.4
	120 122 0/ 11:28	0.130	ND	ppb v/v	1	1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 16-MAY-07 10:12

Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02473

DCL Report Group..: 07E-0380-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual	Dilution	PQL
Benzyl Chloride	10-MAY-07 11:28	0.70	ND	µg/m³	A was	1	
4-Ethyl toluene	10-MAY-07 11:28	0.0983	0.43	ppb v/v	J	1 1	2.6
4-Ethyl toluene	10-MAY-07 11:28	0.48	2.1	nd/w3	J	+	0.5
1,3,5-Trimethylbenzene	10-MAY-07 11:28	0.112	0.60	ppb v/v	<u> </u>	1 1	2.5
1,3,5-Trimethylbenzene	10-MAY-07 11:28	0.55	3.0	hd/w ₃		+ + +	0.5
1,2,4-Trimethylbenzene	10-MAY-07 11:28	0.117	2.3	ppb v/v		 	2.5
1,2,4-Trimethylbenzene	10-MAY-07 11:28	0.58	11.	hd/m ₃		1 1	0.5
1,3-Dichlorobenzene	10-MAY-07 11:28	0.120	ND	pg/m³		+	2.5
1,3-Dichlorobenzene	10-MAY-07 11:28	0.72	ND	hd/w ₃		++	0.5
1,4-Dichlorobenzene	10-MAY-07 11:28	0.0987	2.0	v\v dag		 	3.0
1,4-Dichlorobenzene	10-MAY-07 11:28	0.59	12.	hd/w ₃			0.5
1,2-Dichlorobenzene	10-MAY-07 11:28	0.0851	ND	v\v dag		 	3.0
1,2-Dichlorobenzene	10-MAY-07 11:28	0.51	ND	hd/w ₃		 	0.5
1,2,4-Trichlorobenzene	10-MAY-07 11:28	0.115	ND	v\v dag		 	3.0
1,2,4-Trichlorobenzene	10-MAY-07 11:28	0.85	ND			1 1	0.5
Hexachlorobutadiene	10-MAY-07 11:28	0.119	ND	ug/m³		1	3.7
Hexachlorobutadiene	10-MAY-07 11:28	1.3	ND	ppb v/v		1 1	0.5
	120 222 07 11.20	1.0	ואט ן	μg/m³			5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Unknown fluorocarbon(4.53)	10-MAY-07 11:28	3.6	ppb v/v	J	1
Isobutane(4.63)	10-MAY-07 11:28		v\v dag	T	1 1
Butane (4.91)	10-MAY-07 11:28	3.3	v\v dag	J	1
1-Propene, 2-methyl-(5.82)	10-MAY-07 11:28	2.7	ppb v/v	J	1
Pentane(6.25)	10-MAY-07 11:28	2.5	ppb v/v	J	1
CYCLOHEXANE, METHYL-(11.42)	10-MAY-07 11:28	2.4	v/v dag	J	1
Unknown fluorocarbon(13.77)	10-MAY-07 11:28	20.	ppb v/v	J	1
C11 Hydrocarbon(17.41)	10-MAY-07 11:28	2.4	ppb v/v	J	1
Undecane (18.66)	10-MAY-07 11:28	3.5	ppb v/v	J	1
Dodecane (20.22)	10-MAY-07 11:28	2.8	ppb v/v	J	1

017

BEHR VOC PLUME SITE DAYTON, OHIO DATA VALIDATION REPORT

Date: June 5, 2007

Laboratory: DataChem Laboratories, Inc. (DataChem), Salt Lake City, Utah

Laboratory SDG #/Set ID #: BEHR/07E-0383-01

Data Validation Performed By: Lisa Graczyk, Dynamac Corporation (Dynamac),

subcontractor to Weston Solutions, Inc. (Weston)

Weston Analytical Work Order #/TDD #: 20405.016.003.0121.00/S05-0612-007

This data validation report has been prepared by Dynamac, a Weston subcontractor, under the START III Region V contract. This report documents the data validation of air samples collected for the Behr VOC Plume Site that were analyzed for Volatile Organic Compounds (VOC) by U.S. Environmental Protection Agency (U.S. EPA) method TO-15. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Organic Data Review" dated October 1999.

VOCs in Air by U.S. EPA Method TO15

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

<u>Samples</u>	<u>Lab ID</u>	<u>Matrix</u>	<u>Date</u> <u>Collected</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>
EPA-30-SS	07E02477	Air	05/09/07	NA	05/15/07
EPA-31-SS	07E02478	Air	05/09/07	NA	05/15/07

2. <u>Holding Times</u>

The samples were analyzed within the required holding time limit of 30 days from sample collection in accordance with method TO-15.

3. Instrument Performance Check

The instrument performance check using bromofluorobenzene (BFB) was performed within the 24-hour period for which the samples were analyzed as required for method TO-15. The BFB standard met the ion abundance criteria specified in method TO-15.

Laboratory WO #: BEHR/07E-0383-01

4. <u>Initial Calibration</u>

For the initial calibration, the percent relative standard deviations (%RSD) for all compounds were less than 30 percent. The average relative response factors were all greater than 0.05.

5. <u>Continuing Calibration</u>

The percent differences (%D) in the continuing calibration standard for all target compounds were within the control limit of less than or equal to 25 percent except for hexachlorobutadiene which had a %D of 26. No qualifications were applied for this minor discrepancy.

6. Blanks

The method blank associated with the samples was free of target compound contamination.

7. <u>Surrogates</u>

The 4-bromofluorobenzene surrogate spike recoveries in the samples were within the quality control (QC) limits.

8. Laboratory Control Sample (LCS)

All LCS recoveries and LCS duplicate recoveries were within the laboratory-established QC limits of 70 to 130 percent recovery except for hexachlorobutadiene which was detected high in the LCS and LCS duplicate. Because hexachlorobutadiene was not detected in the samples no qualifications are warranted.

9. Internal Standard Results

The internal standard area counts in the samples were within -50 percent to +100 percent of the area counts of the associated continuing calibration standard. The retention time of the internal standards did not vary more than ± 30 seconds from the retention time of the associated continuing calibration standard.

10. Target Compound Identification

A spot-check was performed of the mass spectra for detected compounds. The spot-check confirmed compound identification. DataChem appropriately flagged those results

Data Validation Report Behr VOC Plume Site DataChem Laboratories Laboratory WO #: BEHR/07E-0383-01

detected above the method detection limit but below the quantitation limit as "J" or estimated.

Data Validation Report Behr VOC Plume Site DataChem Laboratories Laboratory WO #: BEHR/07E-0383-01

ATTACHMENT

DATACHEM LABORATORIES RESULTS SUMMARY



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 18-MAY-07 09:00

Client Name..... : Weston Solutions, Inc.

Client Ref Number...: 0055729

Sampling Site..... Behr VOC Plume PRP

Release Number....: 0055729

Date Received.....: 11-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared.....: Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume...: Not Required

Client Sample Name: EPA-30-SS DCL Sample Name...: 07E02477 DCL Report Group..: 07E-0383-01

Matrix....: AIR

Date Sampled....: 09-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis....: ☒ As Received ☐ Dried

DCL Analysis Group: G074J010 Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-0 Column Type..... DB-1

> X Primary ☐ Confirmation

Analyte	Date Analyzed	MDL	Result	Units	Oual.	Dilution	POL
Propene	15-MAY-07 17:26	0.180	2.5	ppb v/v	Qual.	1	
Propene	15-MAY-07 17:26	0.31	4.4	na/w ₃		1 1	0.5 0.86
Dichlorodifluoromethane	15-MAY-07 17:26	0.0669	0.69	ppb v/v		1	0.86
Dichlorodifluoromethane	15-MAY-07 17:26	0.33	3.4	na/w ₃		1 1	2.5
Chloromethane	15-MAY-07 17:26	0.249	ND	ppb v/v		$\frac{1}{1}$	0.5
Chloromethane	15-MAY-07 17:26	0.51	ND	nd/w3		1	1.0
Freon 114	15-MAY-07 17:26	0.156	ND	v\v daa		1 1	
Freon 114	15-MAY-07 17:26	1.1	ND	na/w3		1	0.5 3.5
Vinyl Chloride	15-MAY-07 17:26	0.301	ND	v\v daa		1	0.5
Vinyl Chloride	15-MAY-07 17:26	0.77	ND	nd/m3		1	
1,3-Butadiene	15-MAY-07 17:26	0.346	0.74	ppb v/v	·	$\frac{1}{1}$	1.3
1,3-Butadiene	15-MAY-07 17:26	0.77	1.6	nd/w3		1	0.5
Bromomethane	15-MAY-07 17:26	0.215	ND	y\v dag		1	$\frac{1.1}{0.5}$
Bromomethane	15-MAY-07 17:26	0.83	ND	na/w ₃		1	0.5
Chloroethane	15-MAY-07 17:26	0.388	ND	ppb v/v		1	1.9
Chloroethane	15-MAY-07 17:26	1.0	ND	na/w ₃		1	0.5
Freon 11	15-MAY-07 17:26	0.0921	0.32	ppb v/v	J	1	1.3
Freon 11	15-MAY-07 17:26	0.52	1.8	nd/w ₃	J	1	0.5
cis-1,2-Dichloroethene	15-MAY-07 17:26	0.102	ND	v\v dag	<u> </u>	1	2.8
cis-1,2-Dichloroethene	15-MAY-07 17:26	0.40	ND	nd/w ₃			0.5
Carbon Disulfide	15-MAY-07 17:26	0.111	0.99	v\v dag		1	2.0
Carbon Disulfide	15-MAY-07 17:26	0.35	3.1	hd/w ₃		1	0.5
Freon 113	15-MAY-07 17:26	0.0950	ND	ppb v/v		1	1.6
Freon 113	15-MAY-07 17:26	0.73	ND	na/w3		1 1	0.5
Acetone	15-MAY-07 17:26	0.113	5.9	v/v dag		1	3.8
Acetone	15-MAY-07 17:26	0.27	14.	hd/w ₃		1	0.5
Methylene Chloride	15-MAY-07 17:26	0.168	ND ND	v\v dag		1	1.2
Methylene Chloride	15-MAY-07 17:26	0.58	ND	ha/w ₃		1	0.5
trans-1,2-Dichloroethene	15-MAY-07 17:26	0.118	ND			1	1.7
trans-1,2-Dichloroethene	15-MAY-07 17:26	0.47	ND	ppb v/v		1	0.5
l,1-Dichloroethane	15-MAY-07 17:26	0.116	ND ND	ug/m³		1	2.0
l,1-Dichloroethane	15-MAY-07 17:26	0.47	ND ND	v/v dqq		1	0.5
Methyl t-Butyl Ether	15-MAY-07 17:26	0.147	ND ND	µg/m³		1	2.0
Methyl t-Butyl Ether	15-MAY-07 17:26	0.53	ND	ppb v/v		1	0.5
/inyl Acetate	15-MAY-07 17:26	0.133	ND	µg/m³		1	1.8
Jinyl Acetate	15-MAY-07 17:26	0.47		ppb v/v		1	0.5
,1-Dichloroethene	15-MAY-07 17:26	0.109	ND	µg/m³		1	1.8
,1-Dichloroethene	15-MAY-07 17:26	0.109	ND	ppb v/v		1	0.5
2-Butanone	15-MAY-07 17:26	0.182	ND	ug/m³		11	2.0
-Butanone	15-MAY-07 17:26		5.9	v/v dqq		1	0.5
Ethyl Acetate	15-MAY-07 17:26	0.54	17.	µg/m³		1	1.5
	113-MAI-0/ 1/:26	0.273	ND	ppb v/v	i	1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 18-MAY-07 09:00 Client Name.....: Weston Solutions, Inc.

DCL Sample Name...: 07E02477 DCL Report Group. .: 07E-0383-01

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Ethyl Acetate	15-MAY-07 17:26	0.98	ND	ug/m³		1	1.8
Hexane	15-MAY-07 17:26	0.121	10.	ppb v/v		1 1	0.5
Hexane	15-MAY-07 17:26	0.43	36.	µg/m³		1 1	1.8
Chloroform	15-MAY-07 17:26	0.115	0.55	ppb v/v		1 1	0.5
Chloroform	15-MAY-07 17:26	0.56	2.7	µg/m³		1	2.4
1,1,1-Trichloroethane	15-MAY-07 17:26	0.0725	ND	ppb v/v		1 1	0.5
1,1,1-Trichloroethane	15-MAY-07 17:26	0.40	ND	µg/m³		1 1	2.7
Carbon Tetrachloride	15-MAY-07 17:26	0.0657	ND	ppb v/v		1 1	
Carbon Tetrachloride	15-MAY-07 17:26	0.41	ND	ug/m³		1 1	0.5 3.1
Benzene	15-MAY-07 17:26	0.102	3.1	v\v dag			
Benzene	15-MAY-07 17:26	0.33	10.	ha/w3		$\frac{1}{1}$	0.5
Tetrahydrofuran	15-MAY-07 17:26	0.227	ND	ppb v/v		1 1	1.6
Tetrahydrofuran	15-MAY-07 17:26	0.67	ND	nd/w3		$+\frac{1}{1}+$	0.5
1,2-Dichloroethane	15-MAY-07 17:26	0.153	ND	ppb v/v			1.5
1,2-Dichloroethane	15-MAY-07 17:26	0.62	ND	nd/m ₃		$\frac{1}{1}$	0.5
Cyclohexane	15-MAY-07 17:26	0.120	3.0	ppb v/v			2.0
Cyclohexane	15-MAY-07 17:26	0.41	10.	hd/m3		1	0.5
Trichloroethene	15-MAY-07 17:26	0.120	ND	y\v dag		1 1	1.7
Trichloroethene	15-MAY-07 17:26	0.64	ND	ha/w ₃			0.5
1,2-Dichloropropane	15-MAY-07 17:26	0.123	ND	ppb v/v		1	2.7
1,2-Dichloropropane	15-MAY-07 17:26	0.57	ND	hd/w ₃		1	0.5
Bromodichloromethane	15-MAY-07 17:26	0.0779	ND	bbp n\n		1	2.3
Bromodichloromethane	15-MAY-07 17:26	0.52	ND	hd/w ₃		1	0.5
Heptane	15-MAY-07 17:26	0.101	6.7	ppb v/v		1	3.3
Heptane	15-MAY-07 17:26	0.41	27.			1	0.5
cis-1,3-Dichloropropene	15-MAY-07 17:26	0.106	ND	µg/m³		1	2.0
cis-1,3-Dichloropropene	15-MAY-07 17:26	0.48	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	15-MAY-07 17:26	0.116	1.0	µg/m³		1	2.3
4-Methyl-2-Pentanone	15-MAY-07 17:26	0.48		ppb v/v		1	0.5
Toluene	15-MAY-07 17:26	0.115	<u>4.1</u> 9.1	µg/m³		1	2.0
Toluene	15-MAY-07 17:26	0.43	34.	v/v dqq		1	0.5
trans-1,3-Dichloropropene	15-MAY-07 17:26	0.130		µg/m³		1	1.9
trans-1,3-Dichloropropene	15-MAY-07 17:26	0.59	ND	v/v dag		1	0.5
1,1,2-Trichloroethane	15-MAY-07 17:26	0.0972	ND	nd/m3		1	2.3 -
1,1,2-Trichloroethane	15-MAY-07 17:26	0.53	ND	ppb v/v		1	0.5
Tetrachloroethene	15-MAY-07 17:26	0.0847	ND	µg/m³		1	2.7
Tetrachloroethene	15-MAY-07 17:26	0.57	23.	ppb v/v		1	0.5
2-Hexanone	15-MAY-07 17:26	0.37	150	µg/m³		1	3.4
2-Hexanone	15-MAY-07 17:26	0.56	ND	ppb v/v		1	0.5
Dibromochloromethane	15-MAY-07 17:26	0.0792	ND	µg/m³		1	2.0
Dibromochloromethane	15-MAY-07 17:26	0.67	ND	ppb v/v		1	0.5
1,2-Dibromoethane	15-MAY-07 17:26		ND	ug/m³		1	4.2
1,2-Dibromoethane	15-MAY-07 17:26	0.119	ND	ppb v/v		1	0.5
Chlorobenzene	15-MAY-07 17:26	0.91	ND	µg/m³		1	3.8
Chlorobenzene	15-MAY-07 17:26	0.0882	ND	ppb v/v		1	0.5
Ethylbenzene	15-MAY-07 17:26	0.41	ND	µg/m³		1	2.3
Ethylbenzene	15-MAY-07 17:26	0.150	4.8	v/v dqq		1	0.5
m,p-Xylene	15-MAY-07 17:26	0.65	21.	ug/m³		1	2.2
n,p-Xylene	15-MAY-07 17:26	0.213	5.6	v/v dqq		1	1.0
o-Xylene	15 MAY 07 17 06	0.92	24.	ug/m³		1	4.3
o-Xylene	15-MAY-07 17:26	0.113	2.8	v/v dqq		1	0.5
Styrene	15-MAY-07 17:26	0.49	12.	µg/m³		1	2.2
Styrene	15-MAY-07 17:26	0.0748	0.34	v/v dqq	J	1	0.5
Bromoform	15-MAY-07 17:26	0.32	1.5	µg/m³	J	1	2.1
Bromoform	15-MAY-07 17:26	0.0884	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	15-MAY-07 17:26	0.90	ND	μg/m³		1	5.1
1,1,2,2-Tetrachioroethane	15-MAY-07 17:26	0.108	ND	ppb v/v		1	0.5
Benzyl Chloride	15-MAY-07 17:26	0.74	ND	µg/m³		1	3.4
CITEAT CUITOLIGE	15-MAY-07 17:26	0.136	ND	ppb v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 18-MAY-07 09:00 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02477 DCL Report Group..: 07E-0383-01

Analytical Results

Analyte	Date Analyzed		Result	Units	Qual.	Dilution	PQL
Benzyl Chloride	15-MAY-07 17:26	0.70	ND	ug/m³	E	1	2.6
4-Ethyl toluene	15-MAY-07 17:26	0.0983	0.68	v\v dag		+	0.5
4-Ethyl toluene	15-MAY-07 17:26	0.48	3.4	ug/m³		 	
1,3,5-Trimethylbenzene	15-MAY-07 17:26	0.112	0.90	ppb v/v		1 1	2.5
1,3,5-Trimethylbenzene	15-MAY-07 17:26	0.55	4.4	µg/m³		+ +	0.5
1,2,4-Trimethylbenzene	15-MAY-07 17:26	0.117	3.5	ppb v/v		1 1	2.5
1,2,4-Trimethylbenzene	15-MAY-07 17:26	0.58	17.	µg/m³		+ + +	0.5
1,3-Dichlorobenzene	15-MAY-07 17:26	0.120	ND	ppb v/v		1 1	2.5
1,3-Dichlorobenzene	15-MAY-07 17:26	0.72	ND	nd/m3		 	0.5
1,4-Dichlorobenzene	15-MAY-07 17:26	0.0987	4.2	y\v dqq		1	3.0
1,4-Dichlorobenzene	15-MAY-07 17:26	0.59	25.	ha\w ₃		+ + +-+-	0.5
1,2-Dichlorobenzene	15-MAY-07 17:26	0.0851	ND	v\v daa		+	3.0
1,2-Dichlorobenzene	15-MAY-07 17:26	0.51	ND	hd/w ₃		+ + +	0.5
1,2,4-Trichlorobenzene	15-MAY-07 17:26	0.115	ND	v\v dag		 	3.0
1,2,4-Trichlorobenzene	15-MAY-07 17:26	0.85	ND	hd/w ₃		1 1	0.5
lexachlorobutadiene	15-MAY-07 17:26	0.119	ND			 - - - - - - - - 	3.7
Hexachlorobutadiene	15-MAY-07 17:26	1.3	ND	ppb v/v		 	0.5 5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Oual.	Dilution
Propene, hexafluoro-(3.98)	15-MAY-07 17:26	11.	ppb v/v	J	1
Isobutane(4.53)	15-MAY-07 17:26	7.1	v/v dag	J	1 1
Ethanol (5.29)	15-MAY-07 17:26	9.4	v\v dag	J	
Isopropyl Alcohol(5.93)	15-MAY-07 17:26		v\v dag	J	
Pentane (6.12)	15-MAY-07 17:26	7.2	ppb v/v	J	1 1
Cyclobutane, methyl-(7.47)	15-MAY-07 17:26	3.1	ppb v/v	J	1
Pentane, 2-methyl-(7.56)	15-MAY-07 17:26	5.0	ppb v/v	J	1
CYCLOPENTANE, METHYL-(8.98)	15-MAY-07 17:26	4.3	v\v dqq	. J	1
Hexane, 3-methyl-(10.17)	15-MAY-07 17:26	3.3	v\v dag.	J	1 1
CYCLOHEXANE, METHYL-(11.36)	15-MAY-07 17:26	5.9	v\v daa	J	1
Octane(13.06)	15-MAY-07 17:26	3.0	v\v dag	J	1
Nonane (15.13)	15-MAY-07 17:26	4.1	v\v dag	J	1
Decane (17.00)	15-MAY-07 17:26	4.0	v\v dag	J	1
Undecane (18.70)	15-MAY-07 17:26	5.2	v\v dag	J	1



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SAMPLE ANALYSIS DATA SHEET

Date Printed..... 18-MAY-07 09:00

Client Name.....: Weston Solutions, Inc.

Client Ref Number...: 0055729

Sampling Site..... Behr VOC Plume PRP

Release Number....: 0055729

Date Received.....: 11-MAY-07 00:00

DCL Preparation Group: Not Applicable Date Prepared.....: Not Applicable Preparation Method...: Not Applicable

Aliquot Weight/Volume: 200 mL

Net Weight/Volume...: Not Required

Client Sample Name: EPA-31-SS DCL Sample Name...: 07E02478 DCL Report Group..: 07E-0383-01

Matrix..... AIR

Date Sampled....: 09-MAY-07 00:00

Reporting Units...: ppb v/v

Report Basis....:

☒ As Received ☐ Dried

DCL Analysis Group: G074J010 Analysis Method...: TO-15 Instrument Type...: GC/MS VO Instrument ID....: 5972-0 Column Type.....: DB-1

X Primary ☐ Confirmation

Analyte	Date Analyzed	MDL	Result	Units	Oual.	Dilution	POL
Propene	15-MAY-07 18:59	0.180	6.6	v/v dag		1	0.5
Propene	15-MAY-07 18:59	0.31	11.	na/w3	 	$\frac{1}{1}$	0.86
Dichlorodifluoromethane	15-MAY-07 18:59	0.0669	0.61	ppb v/v	 	$\frac{1}{1}$	0.86
Dichlorodifluoromethane	15-MAY-07 18:59	0.33	3.0	na/m3	—	1	2.5
Chloromethane	15-MAY-07 18:59	0.249	ND	v\v dag		$\frac{1}{1}$	
Chloromethane	15-MAY-07 18:59	0.51	ND	nd/w3		$\frac{1}{1}$	0.5 1.0
Freon 114	15-MAY-07 18:59	0.156	ND	ppb v/v		$\frac{1}{1}$	0.5
Freon 114	15-MAY-07 18:59	1.1	ND	ug/m³		1	
Vinyl Chloride	15-MAY-07 18:59	0.301	ND	v\v daa			3.5
Vinyl Chloride	15-MAY-07 18:59	0.77	ND	nd/w3			0.5
1,3-Butadiene	15-MAY-07 18:59	0.346	ND	v/v daa		1	1.3
1,3-Butadiene	15-MAY-07 18:59	0.77	ND	nd/w ₃		1	0.5
Bromomethane	15-MAY-07 18:59	0.215	0.64	ppb v/v		1	1.1
Bromomethane	15-MAY-07 18:59	0.83	2.5	ha/w ₃		1	0.5
Chloroethane	15-MAY-07 18:59	0.388	ND ND			1	1.9
Chloroethane	15-MAY-07 18:59	1.0	ND ND	ppb v/v		1	0.5
Freon 11	15-MAY-07 18:59	0.0921	0.32	µg/m³		1	1.3 -
Freon 11	15-MAY-07 18:59	0.52	1.8	ppb v/v	J	11	0.5
cis-1,2-Dichloroethene	15-MAY-07 18:59	0.102	ND ND	ug/m³	J	11	2.8
cis-1,2-Dichloroethene	15-MAY-07 18:59	0.40	ND	ppb v/v		1	0.5
Carbon Disulfide	15-MAY-07 18:59	0.111	4.2	µg/m³		1	2.0
Carbon Disulfide	15-MAY-07 18:59	0.35	13.	v/v dqq		1	0.5
Freon 113	15-MAY-07 18:59	0.0950		µg/m³	·	1	1.6
Freon 113	15-MAY-07 18:59	0.0330	ND ND	v/v dqq		1	0.5
Acetone	15-MAY-07 18:59	0.113	15.	µg/m³		1	3.8
Acetone	15-MAY-07 18:59	0.27		v/v dqq		1	0.5
Methylene Chloride	15-MAY-07 18:59	0.168	35.	ug/m³		1	1.2
Methylene Chloride	15-MAY-07 18:59	0.168	ND	v/v dqq		1	0.5
trans-1,2-Dichloroethene	15-MAY-07 18:59	0.38	ND	ug/m³		1	1.7
trans-1,2-Dichloroethene	15-MAY-07 18:59	0.118	ND	ppb v/v		1	0.5
1,1-Dichloroethane	15-MAY-07 18:59	0.47	ND	ug/m³		1	2.0
1,1-Dichloroethane	15-MAY-07 18:59	0.47	ND	v/v dqq		1	0.5
Methyl t-Butyl Ether	15-MAY-07 18:59	0.47	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	15-MAY-07 18:59		ND	ppb v/v		1	0.5
Vinyl Acetate	15-MAY-07 18:59	0.53	ND	nd/m3		1	1.8
Vinyl Acetate	15-MAY-07 18:59	0.133	ND	v/v dqq		1	0.5
1,1-Dichloroethene	15-MAY-07 18:59	0.47	ND	µg/m³		1	1.8
1,1-Dichloroethene	15-MAY-07 18:59	0.109	ND	v/v dqq		1	0.5
2-Butanone	15-MAY-07 18:59	0.43	ND	µg/m³		1	2.0
2-Butanone	15-MAY-07 18:59	0.182	4.0	ppb v/v		1	0.5
Ethyl Acetate	15-MAY-07 18:59 15-MAY-07 18:59	0.54	12.	ug/m³		1	1.5
	113-MAI-0/ 18:59	0.273	ND	ppb v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 18-MAY-07 09:00 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02478 DCL Report Group..: 07E-0383-01

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Ethyl Acetate	15-MAY-07 18:59	0.98	ND	ug/m³		1	1.8
Hexane	15-MAY-07 18:59	0.121	8.6	ppb v/v		1 1	0.5
Hexane	15-MAY-07 18:59	0.43	30.	µg/m³		1 1	1.8
Chloroform	15-MAY-07 18:59	0.115	ND	ppb v/v		1 1	0.5
Chloroform	15-MAY-07 18:59	0.56	ND	µg/m³		1 1	2.4
1,1,1-Trichloroethane	15-MAY-07 18:59	0.0725	ND	ppb v/v		$\frac{1}{1}$	0.5
1,1,1-Trichloroethane	15-MAY-07 18:59	0.40	ND	hd/m3			2.7
Carbon Tetrachloride	15-MAY-07 18:59	0.0657	ND	ppb v/v		1 1	
Carbon Tetrachloride	15-MAY-07 18:59	0.41	ND	nd/m3		1 1	0.5 3.1
Benzene	15-MAY-07 18:59	0.102	4.1	ppb v/v		 	
Benzene	15-MAY-07 18:59	0.33	13.	hd/m3		$\frac{1}{1}$	0.5
Tetrahydrofuran	15-MAY-07 18:59	0.227	ND	ppb v/v		$\frac{1}{1}$	1.6
Tetrahydrofuran	15-MAY-07 18:59	0.67	ND	hd/m3		$+\frac{1}{1}$	0.5
1,2-Dichloroethane	15-MAY-07 18:59	0.153	ND	ppb v/v			1.5
1,2-Dichloroethane	15-MAY-07 18:59	0.62	ND	hd/m3		1 1	0.5
Cyclohexane	15-MAY-07 18:59	0.120	3.4	v/v dgg		1	2.0
Cyclohexane	15-MAY-07 18:59	0.41	12.			1	0.5
Trichloroethene	15-MAY-07 18:59	0.120	ND	µg/m³		1	1.7
Trichloroethene	15-MAY-07 18:59	0.64	ND	ppb v/v	*	1	0.5
1,2-Dichloropropane	15-MAY-07 18:59	0.123	ND ND	µg/m³		1	2.7
1,2-Dichloropropane	15-MAY-07 18:59	0.57		ppb v/v		1	0.5
Bromodichloromethane	15-MAY-07 18:59	0.0779	ND	µg/m³		11	2.3
Bromodichloromethane	15-MAY-07 18:59	0.0779	ND	ppb v/v		1	0.5
Heptane	15-MAY-07 18:59	0.52	ND	μg/m³		1	3.3
Heptane	15-MAY-07 18:59		6.1	v/v dqq		1	0.5
cis-1,3-Dichloropropene	15-MAY-07 18:59	0.41	25.	ha/w3		1	2.0
cis-1,3-Dichloropropene	15-MAY-07 18:59	0.106	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	15-MAY-07 18:59	0.48	ND	µg/m³		1	2.3
4-Methyl-2-Pentanone	15-MAY-07 18:59 15-MAY-07 18:59	0.116	0.52	ppb v/v		1	0.5
Foluene	15-MAY-07 18:59	0.48	2.1	μg/m³		1	2.0
Foluene		0.115	11.	ppb v/v		1	0.5
crans-1,3-Dichloropropene	15-MAY-07 18:59	0.43	41.	µg/m³		1	1.9
crans-1,3-Dichloropropene	15-MAY-07 18:59	0.130	ND	ppb v/v		1	0.5
L,1,2-Trichloroethane	15-MAY-07 18:59	0.59	ND	μg/m³		1	2.3 -
L,1,2-Trichloroethane	15-MAY-07 18:59	0.0972	ND	ppb v/v		1	0.5
Cetrachloroethene	15-MAY-07 18:59	0.53	ND	μg/m³		1	2.7
Tetrachloroethene	15-MAY-07 18:59	0.0847	0.52	ppb v/v		1	0.5
2-Hexanone	15-MAY-07 18:59	0.57	3.5	μg/m³		1	3.4
2-Hexanone	15-MAY-07 18:59	0.136	ND	v/v dqq		1	0.5
Dibromochloromethane	15-MAY-07 18:59	0.56	ND	µg/m³		1	2.0
Dibromochloromethane	15-MAY-07 18:59	0.0792	ND	v/v dqq		1	0.5
.,2-Dibromoethane	15-MAY-07 18:59	0.67	ND	µg/m³		1	4.2
.,2-Dibromoethane	15-MAY-07 18:59	0.119	ND	v/v dag		1	0.5
	15-MAY-07 18:59	0.91	ND	µg/m³		1.	3.8
Chlorobenzene	15-MAY-07 18:59	0.0882	ND	ppb v/v		1	0.5
hlorobenzene	15-MAY-07 18:59	0.41	ND	µq/m³		1	2.3
thylbenzene	15-MAY-07 18:59	0.150	4.0	v\v dag		1	0.5
thylbenzene	15-MAY-07 18:59	0.65	17.	µg/m³		1	2.2
n,p-Xylene	15-MAY-07 18:59	0.213	6.1	ppb v/v		1	1.0
,p-Xylene	15-MAY-07 18:59	0.92	26.	µg/m³		1 -	4.3
-Xylene	15-MAY-07 18:59	0.113	5.7	ppb v/v		1	0.5
-Xylene	15-MAY-07 18:59	0.49	25.	µg/m³		1	
tyrene	15-MAY-07 18:59	0.0748	0.84	ppb v/v		1	0.5
tyrene	15-MAY-07 18:59	0.32	3.6	hg/w ₃			
romoform	15-MAY-07 18:59	0.0884	0.56	ppb v/v		1	2.1
romoform	15-MAY-07 18:59	0.90	5.7	nd/w3			0.5
TOMOTOTIII			J . ,	MM/III	1	1	5.1
,1,2,2-Tetrachloroethane	15-MAY-07 18:59	0.108	ND				
,1,2,2-Tetrachloroethane ,1,2,2-Tetrachloroethane enzyl Chloride	15-MAY-07 18:59 15-MAY-07 18:59	0.108	ND ND	ppb v/v		1 1	0.5



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SAMPLE ANALYSIS DATA SHEET

Date Printed....: 18-MAY-07 09:00 Client Name..... : Weston Solutions, Inc.

DCL Sample Name...: 07E02478 DCL Report Group..: 07E-0383-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Benzyl Chloride	15-MAY-07 18:59	0.70	ND	ug/m³	guuz.	1	
4-Ethyl toluene	15-MAY-07 18:59	0.98	35.	v\v daa		10	2.6
4-Ethyl toluene	15-MAY-07 18:59	4.8	170.		<u> </u>	10	5.0
1,3,5-Trimethylbenzene	15-MAY-07 18:59	1.1	100	hay n/a		10	25.
1,3,5-Trimethylbenzene	15-MAY-07 18:59	5.5	500			10	5.0
1,2,4-Trimethylbenzene	15-MAY-07 18:59	1.2	300	ug/m³		10	25.
1,2,4-Trimethylbenzene	15-MAY-07 18:59	5.8	1500	ppb v/v	E	10	5.0
1,3-Dichlorobenzene	15-MAY-07 18:59	0.120	ND	µg/m³	E	10	25.
1,3-Dichlorobenzene	15-MAY-07 18:59	0.72	ND	ppb v/v		1 1	0.5
1,4-Dichlorobenzene	15-MAY-07 18:59	0.0987	ND	µg/m³		1.	3.0
1,4-Dichlorobenzene	15-MAY-07 18:59	0.59	ND	ppb v/v		1	0.5
1,2-Dichlorobenzene	15-MAY-07 18:59	0.0851	ND	µg/m³		1 1	3.0
1,2-Dichlorobenzene	15-MAY-07 18:59	0.51		ppb v/v		1	0.5
1,2,4-Trichlorobenzene	15-MAY-07 18:59	0.115	ND	µg/m³		1	3.0
1,2,4-Trichlorobenzene	15-MAY-07 18:59	0.115	ND	ppb v/v		1	0.5
Hexachlorobutadiene	15-MAY-07 18:59		ND	µg/m³		1	3.7
Hexachlorobutadiene	15-MAY-07 18:59	0.119	ND	ppb v/v		1	0.5
	113-MAI-07 18:59	1.3	ND	μg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Oual	Dilution
Ethane, 1-chloro-1,1-difluoro-(4.38)	15-MAY-07 18:59	200	v/v daa	J	DITUCION
Ethanol (5.26)	15-MAY-07 18:59	7.6	v\v dag	J	1 1
Benzene, 1-ethyl-3-methyl-(16.23)	15-MAY-07 18:59	83.	bpp A/A	J	1
Benzene, 1-ethyl-2-methyl-(16.60)	15-MAY-07 18:59	44.	ppb v/v	J	1 1
Decane (17.01)	15-MAY-07 18:59	50.	y\v dag	J	1
Benzene, (2-methylpropyl)-(17.15)	15-MAY-07 18:59	22.	v\v dag	J	
Benzene, 1-methyl-3-(1-methyle(17.33)	15-MAY-07 18:59	20.	v\v dag		1
Benzene, 1,2,3-trimethyl-(17.41)	15-MAY-07 18:59	75.	v\v dag	J	1
Benzene, 1-methyl-3-propyl-(17.86)	15-MAY-07 18:59	34.	v\v dag	J	1
Benzene, 4-ethyl-1,2-dimethyl-(17.96)	15-MAY-07 18:59	43.	v\v dag	J	1
Decane, 2-methyl-(18.13)	15-MAY-07 18:59	21.	v\v dag		1
Benzene, 2-ethyl-1,4-dimethyl-(18.33)	15-MAY-07 18:59	23.	v\v dag		•1
Undecane (18.71)	15-MAY-07 18:59	40.	v\v dag		1

BEHR VOC PLUME SITE DAYTON, OHIO DATA VALIDATION REPORT

Date: August 7, 2007

Laboratory: DataChem Laboratories, Inc. (DataChem), Salt Lake City, Utah

Laboratory SDG #/Set ID #: BEHR/07E-0388-01

Data Validation Performed By: Lisa Graczyk, Dynamac Corporation (Dynamac),

subcontractor to Weston Solutions, Inc. (Weston)

Weston Analytical Work Order #/TDD #: 20405.016.003.0121.00/S05-0612-007

This data validation report has been prepared by Dynamac, a Weston subcontractor, under the START III Region V contract. This report documents the data validation of air samples collected for the Behr VOC Plume Site that were analyzed for Volatile Organic Compounds (VOC) by U.S. Environmental Protection Agency (U.S. EPA) method TO-15. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Organic Data Review" dated October 1999.

VOCs in Air by U.S. EPA Method TO15

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	<u>Lab ID</u>	<u>Matrix</u>	Date Collected	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>
EPA-32-SS	07E2532	Air	05/10/07	NA	05/15/07
EPA-33-SS	07E2533	Air	05/10/07	NA	05/15/07
EPA-34-SS	07E2534	Air	05/10/07	NA	05/15/07

2. Holding Times

The samples were analyzed within the required holding time limit of 30 days from sample collection in accordance with method TO-15.

3. Instrument Performance Check

The instrument performance check using bromofluorobenzene (BFB) standard met the ion abundance criteria specified in method TO-15.

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4. <u>Initial Calibration</u>

For the initial calibration, the percent relative standard deviations (%RSD) for all compounds were less than 30 percent. The average relative response factors were all greater than 0.05.

5. <u>Continuing Calibration</u>

The percent differences in the continuing calibration standard for all target compounds were within the control limit of less than or equal to 25 percent.

6. Blanks

The method blank associated with the samples was free of target compound contamination.

7. <u>Surrogates</u>

The 4-bromofluorobenzene surrogate spike recoveries in the samples were within the quality control (QC) limits.

8. <u>Laboratory Control Sample (LCS)</u>

The LCS recoveries and LCS duplicate recoveries were within the laboratory-established QC limits of 70 to 130 percent recovery except for the following compound: hexachlorobutadiene. Because this compound was detected high and was not detected in the samples, no qualifications are required.

9. Internal Standard Results

The internal standard area counts in the samples were within -50 percent to +100 percent of the area counts of the associated continuing calibration standard. The retention time of the internal standards did not vary more than ± 30 seconds from the retention time of the associated continuing calibration standard.

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10. Target Compound Identification

A spot-check was performed of the mass spectra for detected compounds. The spot-check confirmed compound identification. DataChem appropriately flagged those results detected above the method detection limit but below the quantitation limit as "J" or estimated.

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ATTACHMENT

DATACHEM LABORATORIES RESULTS SUMMARY